

F/O 13/6

UNCLASSIFIED

SBIE-AD-E400 377

NL

1 4

A:

1990-1991



10 LEVEL III

AD

AD-A400 377

ADA 079894

TECHNICAL REPORT ARTSD-TR-78003

MANUFACTURE OF ARMY HELMET MOLDS
BY NUMERICAL CONTROL

DONALD O'CONNOR

NOVEMBER 1979



FOR OFFICIAL USE ONLY
TECHNICAL REPORT ARTSD-TR-78003
NOV 20 1979

The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as an official report of the Army position, policy or decision, unless so designated by other documentation.

Destroy this report when no longer needed. Do not return it to the originator.

The citation in this report of the names of commercial firms or commercially available products or services does not constitute an endorsement or approval of such commercial firms, products or services by the United States Government.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER Technical Report ARTSD-TR-79003	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) MANUFACTURE OF ARMY HELMET MOLDS BY NUMERICAL CONTROL		5. TYPE OF REPORT & PERIOD COVERED
7. AUTHOR(s) Donald O'Connor		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS ARRADCOM, TSD Experimental Fabrication Division (DRDAR-TSF-FA) Dover, NJ 07801		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 12 216
11. CONTROLLING OFFICE NAME AND ADDRESS ARRADCOM, TSD STINFO (DRDAR-TSS) Dover, NJ 07801		12. REPORT DATE Nov 1979
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) Natick Development Center Natick, MA 01760		13. NUMBER OF PAGES 318
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited. 18 SRTE 19 A-E 444 377		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES This project was accomplished as part of the US Army's Manufacturing Methods and Technology Program. The primary objective of this program is to develop, on a timely basis, manufacturing processes, techniques, and equipment for use in production of Army materiel.		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Numerical control surface machining Four-axis NC programming Numerical control manufacture MMT- NC helmet die sinking APTLFT/FMILL		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) → This report documents the development of numerically controlled machine tapes for use in the manufacture of helmet molds for the Army's new Kevlar helmet. The FMILL computer program was used to develop surfaces, and CDC's APT and APTLFT were used in the actual surface machining.		

DD FORM 1 JAN 75 1473 EDITION OF 1 NOV 65 IS OBSOLETE

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

410 327

mt

INTRODUCTION

The Natick Development Center is responsible for the development of advanced items of equipment and supplies (such as protective clothing, field support equipment, health and welfare items, etc.) for the Army. In an effort to provide uniformity and interchangeability, they are investigating the use of numerical control (NC) equipment in the manufacturing process.

During the development of the Kevlar[®] helmet, Natick scouted both Government and industrial facilities for the capability of manufacturing mold sets on NC equipment and ultimately awarded the contract to the Industrial Operations Directorate, Picatinny Arsenal (later the Technical Support Directorate, ARRADCOM). Picatinny's proposal was based on the manufacture of the helmet molds on a Kearny & Trecker Model II, four-axis machining center using APTLFT/FMILL on a CDC 6500 computer.

DISCUSSION

Phase 1 - Digitizing

During initial phase of the project, the helmets were digitized on a Boice three-axis coordinate measuring machine with a special probe and an inspection tape. Each helmet was placed on a fixture supported on three pins, and the flat surface of the brim was probed and adjusted until it was parallel with the surface of the machine table. The zero point of the helmet was the mold mark at the top center; the other mold marks were used to set the X and Y axes. The data developed were punched directly onto paper tape compatible with the CDC 6500 computer located at Picatinny. The only problem encountered in digitizing was that each helmet had to be set up twice because of bounce in one axis of the inspection machine. Passes were made at 1/4-inch intervals, 50/1000 of an inch apart.

Analysis of the data revealed that the ratios among the helmets were close, but those of the three axes were slightly different. Scaling from one helmet to the other yielded data which, when plotted, gave curves almost identical to those plotted from the Boice inspection machine data. The ratios developed are shown in table 1.

1

ACCESSION for		
NTTS	White Section	<input checked="" type="checkbox"/>
DDC	Buff Section	<input type="checkbox"/>
UNANNOUNCED		<input type="checkbox"/>
JUSTIFICATION _____		
BY _____		
DISTRIBUTION/AVAILABILITY CODES		
Dist.	AvAIL	and/or SPECIAL
A		

Table 1. Axis ratios

<u>Axis</u>	<u>Small</u>	<u>Med</u>	<u>Large</u>
X	0.9746	1.0	1.0602
Y	0.9754	1.0	1.0543
Z	0.9775	1.0	1.0449

Phase 2 - Transforming Data

During the second phase, the data acquired during Phase 1 were transformed into usable form from which surfaces could be generated. FMILL, a computer program written in FORTRAN IV by the Boeing and Rohr Corporation for use in the aerospace industry, was contributed by Boeing to the APT library. The Boeing version of FMILL, modified by the Naval Ship R&D Center, Bethesda, MD, was used to develop machining surfaces for the Natick helmet project. Samples of these data in both the original and the modified format are included in appendixes A and B.

In order to conform to FMILL rules and to allow smooth surfaces to be fit through the data points, the data had to be broken down into small patches. Since FMILL allows no more than 1000 data points to a surface with the same number of points on each curve, the initial patch covered too large an area and caused unacceptable reversals on the surface. Rather than splaying out, the reversals appeared as changes in the curves where the surface normals crossed each other. This was caused by two factors: use of empirical data and innate problems in the surface generation system. Empirical data drawn from helmets allowed for small errors on the coordinate values of a point due either to a small blemish on the helmet or a small bounce in a measuring machine axis. With an error of only a few thousandths and points so close together, reversals appeared and points had to be weeded out to smooth the curves.

In order to develop smooth surfaces, the FMILL routine placed certain requirements on the data:

1. A limit of 1000 points
2. The same number of points on each curve
3. A surface basically rectangular in projections

It was this last requirement that necessitated breaking the data into patches. If the data covered too large a bend in a surface,

the curves would develop bumps or reversals. By breaking the data into patches and overlapping a few points in each axis, smooth blending occurred.

Appendix C is a sample FMILL output listing. Using the output from the first FMILL runs, it was possible to break the helmet into acceptable patches (over 30) which would blend together and supply a smooth overall surface (fig. 1). The patches that were input into FMILL as a series of points on curves combined with tolerance and machining data were output as a series of master dimensional identifiers (MDI's). MDI's are generated by requesting a certain number of curves between each of the existing curves and between points on the curves. The number of points on each MDI is dependent on the chord height requirement set on the FMILL input (app B).

The output from FMILL is a series of points with surface normal vectors along the newly generated MDI's. These MDI's are used in conjunction with APTLFT, APT, and a postprocessor to develop the machining tape to cut the required part.

Phase 3 - Programming

During phase three of the project, the FMILL output data was programmed for the Kearney & Trecker Milwaukee-Matic Model II, four-axis machining center. The four-axis machine was selected for two reasons: to allow for an undercut on the force plug and to machine the 0.003-inch clearance on the thick wall of the force plug.

Complete machining of the die cavity and the helmet surface of the force plug was done in a three-axis mode. Using ball endmills made this possible as APTLFT positioned the center of the ball on the surface normal at a distance of the radius specified in the cutter statement. Four-axis programming and machining are only possible when the Y component of the surface normal is zero, which occurs on the side of the force plug when the thickness edge is machined for the mold. Neither four nor five-axis programming could be used on the die because neither would allow the tool to cut the part without violating the edges of the die. Neither was five-axis programming of the force plug beneficial because it would cause the actual surface of the helmet to be cut with the center of the endmill. At the center of the endmill the surface feet-per-minute is zero, which causes excessive wear and does not yield as good a surface because the material is not removed at the proper rate.

Before actual programming could begin, tooling requirements and fixture positioning were determined. Three sizes of ball endmills (1/4 in., 1/2 in., and 1-1/2 in.) were required to machine the force plug, while only one size (1-1/2 in.) was required for the cavity half of the mold. Selection of the tools was based on a combination of the corner radii required and the need to avoid removing too much metal with a small cutter. See figure 2 for cutter application on the force plug.

To test the feasibility of cutting the required shapes on NC machines, the initial stage of machining was done in wood, first in pine (to determine the problem areas), then in mahogany. The mahogany molds were used to vacuum-form polycarbonate sheet into models which were used to check the validity of the machined surfaces (see figs. 4 and 5).

The parts were programmed carefully to assure that the cutter, while cutting one part of the surface, was not violating another part. Plotting the curves with both a zero cutter diameter and the true cutter diameter displayed problems that could have violated the same surface, forward and rear.

Zero cutter plots yielded the actual surface that was machined and the plots with the proper cutter diameter yielded the center line of the cutter. With these curves on the same plot, the distance between the two curves was the cutter radius which normally remains constant. The check of the cutter radius was made in areas where FMILL surface normals were suspect.

Checking for violation of another surface was a somewhat different matter; plotting of the two surfaces was not practical and did not resolve the problem. This was the main flaw that surfaced in using APTLFT/FMILL for programming the helmets. There is no method for bounding geometry in APTLFT/FMILL; this is left to the programmer. As a result, numerous calculations along adjacent surfaces which did not have smooth blend (side-to-ear, front-to-peak, back-to-ridge, and the opposite) were required. To overcome this situation, definitive boundary lines were developed by visual inspection of the Boice inspection machine data which determined the breaking points; that is, where the data changed from side-to-ear or front-to-brim. By using these data curves, FMILL output points and surface normals, and the required cutter diameters, calculations were made to establish how far each cutter could be used on each surface without violating the next surface. Using the X, Y, and Z components of the surface normals in the vicinity of the boundaries, calculations were made to determine when a ball endmill of each of the various sizes used would violate these boundaries.

These calculations allowed selective cutting on the MDI's close to the adjoining surfaces (fig. 1 and app. D). This method allowed the surfaces to be bounded and reduced the number of cuts required on the smaller cutters.

Phase 4 - Machining

The final phase of the project was machining the contours in both wood and steel. The major problem areas encountered were:

1. Availability of machine time
2. Tooling
3. Amount of tape required
4. Operator skill and time

Machine time was very difficult to obtain for two reasons: During the manufacture of the helmet molds, the mold cutting was frequently pre-empted by higher priority jobs. These interruptions caused delays due not only to the time required by the high priority work, but also to the time required to reorient the programmer and the operator to the cutting status when the last cut was terminated.

The second problem in gaining machine time was excessive downtime on the machine tool. During the manufacture of the helmet molds the machine was down for:

1. Spindle clutches
2. Reader malfunctions
3. Rotary table jumping
4. Axis vibration
5. Air conditioner problems
6. Control unit problems

These problems often precipitated weeks of the machine's sitting idle with tapes, operator, and material available. Roughing the parts on NC lathes was planned, but had to be accomplished conventionally due to a shortage of machine time on the J&L 18 lathe, the only NC lathe capable of roughing the large work. Consequently, the extra material left on the parts required a large amount of roughing on the NC mill.

The milling cutters' requirements for 1/4 inch, 1/2 inch, and 1-1/2 inch ball endmills were determined; however, the lack of carbide in the industry at that time necessitated using high speed steel endmills. The amount of roughing required on the molds caused a great amount of tooling wear. A larger number of large ball endmills were used than planned, and some downtime was experienced waiting for delivery. Toward the end of the project, carbide ball endmills were made available and two (1 1/2-inch size) were purchased. The only limitation on these endmills is the length. With the lengths currently available, complete cutting can be done on the force plug, but only 2/3 of the die can be cut. Using carbide on the force plug and die allows higher feed rates and spindle speeds which significantly reduce cutting time.

The large quantities of tape required for the components (17,000 feet for the force plug; 12,000 feet for the die) caused delays for two reasons:

1. Excessive wear on the tape reader and the tape reader brake
2. Actual tape punching errors

The excessive wear on the reader and brakes caused the tape to slip during cuts due to reading errors. These occurred mostly while running long tapes of 600 to 700 feet. In some instances the tape could be restarted from that position, but in others it had to be restarted from the beginning. Punching errors on the tapes occurred for basically the same reason. The tape punching equipment has a very low failure rate, but when an excessive quantity of tape has been processed, it does make errors. When this occurred during a dry run of the tape, it necessitated stopping the machine and leaving it idle while a new tape was made.

The only corrective measure required is to ascertain that both the brakes on the reader used for long tapes and the back-up reader on the machine are in excellent condition. This will minimize problems of input and parity errors and reduce machining time. The problem of punching the tape is resolved when the tape has been proven out. The manufacture of a second helmet of the same size should be faster.

A DNC system could be used if it were available. A CNC system could also be used if the computer had room to store 600 to 700 feet of tape, as it is this quantity of tape that causes reader problems.

The complexity of the part and the fact that it was a first-time manufacture of this type of item required an operator with a high level of competency. This was not a job that a skilled operator could set up and turn over to a less experienced operator; it required a top operator from setup to completion. Due to the transition of Picatinny Arsenal into ARRADCOM, shop operations were severely reduced. Operators were affected by RIF actions and for a long period of time, no operator with the appropriate background was available. The skilled operator required to run this type of job will always be in demand at any installation where the molds might be machined. A major factor in scheduling a job of this nature is that both the machine and the operator must be available.

CONCLUSIONS AND RECOMMENDATIONS

The production of Kevlar helmet molds by numerical control is feasible if the production time is reduced. Implementing the following recommendations should significantly reduce both production time and costs:

1. Do more roughing on a large NC lathe.
2. Schedule both the machine and the operator for a continuous run and do not interrupt or pre-empt the job.
3. Use carbide endmills, if available.
4. Develop better roughing tape for the NC mill when the lathe cannot remove metal.

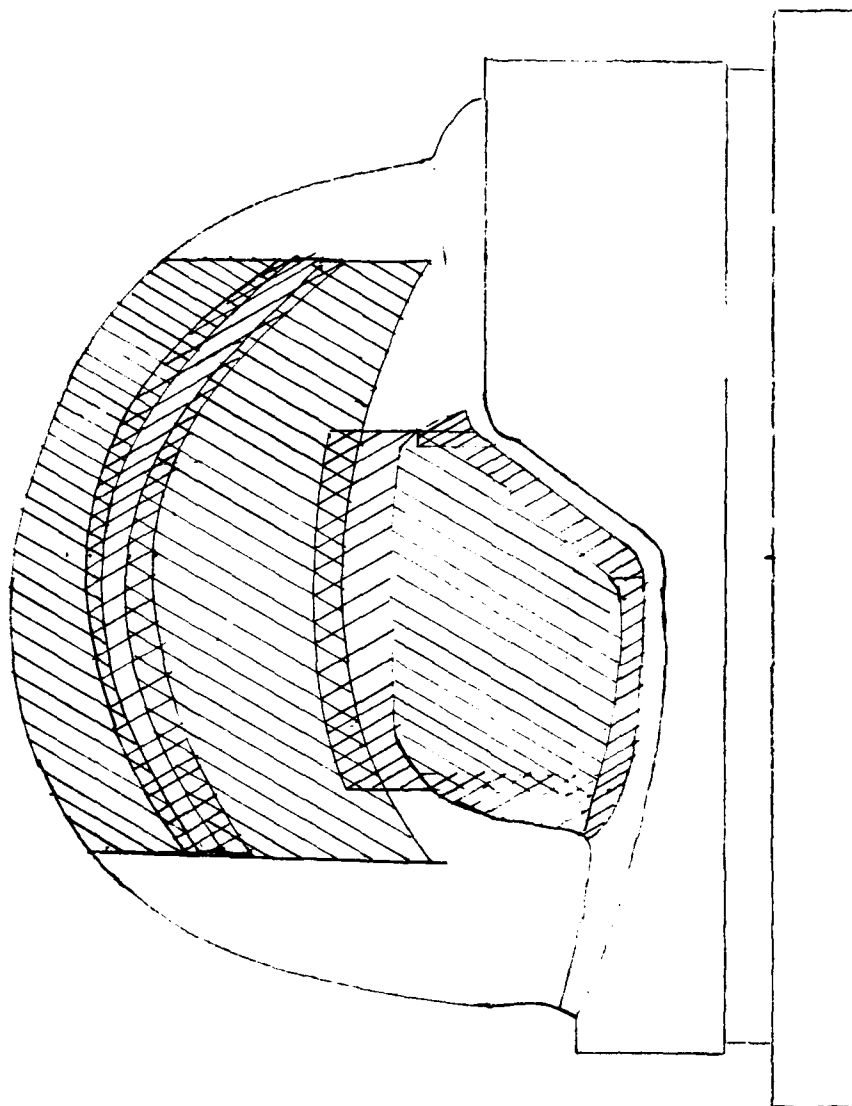


Figure 1. Patch samples 1 to 9.

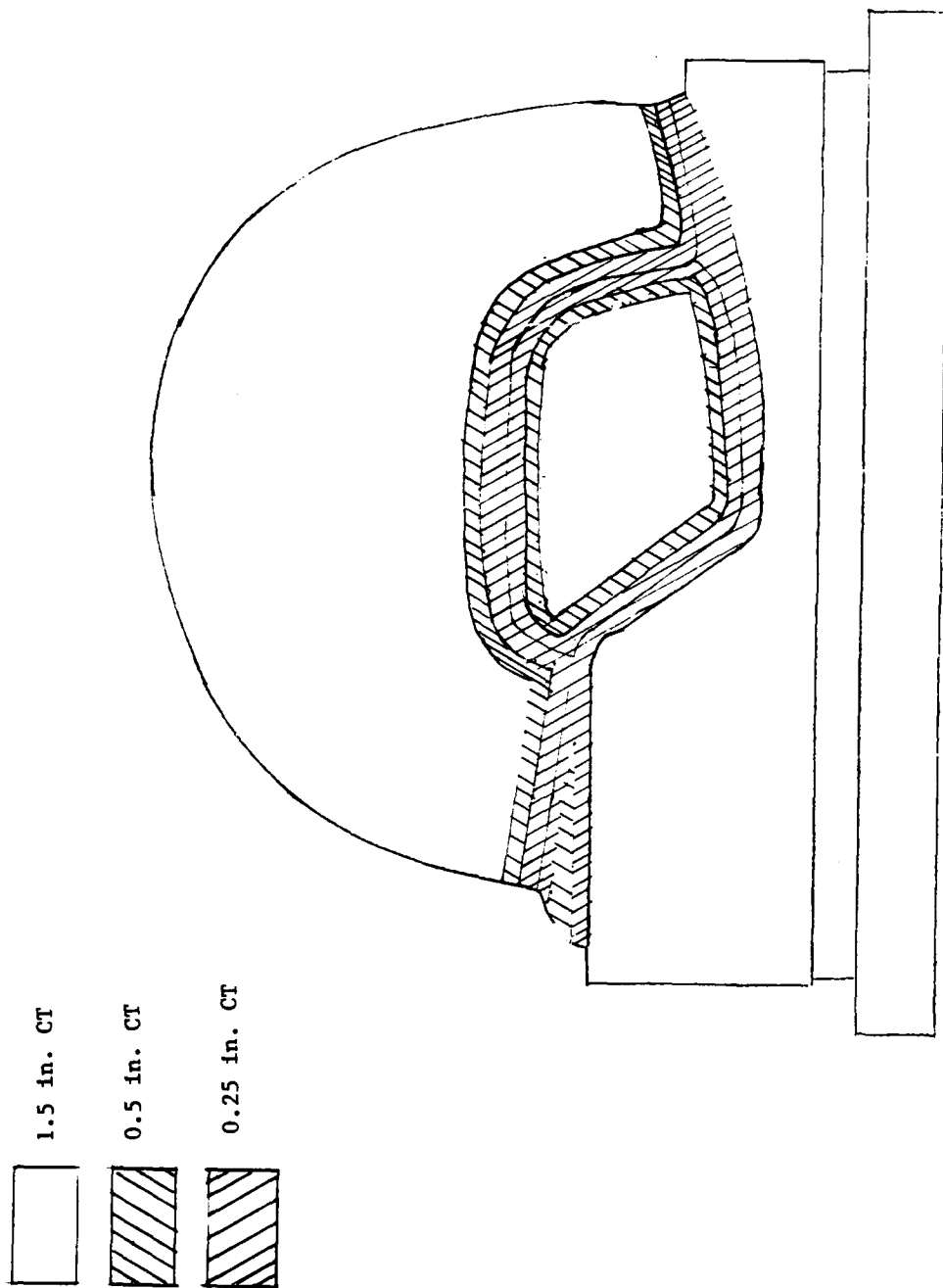


Figure 2. Cutter applications on force plug.



Figure 3. Mahogany mold and finished helmet.

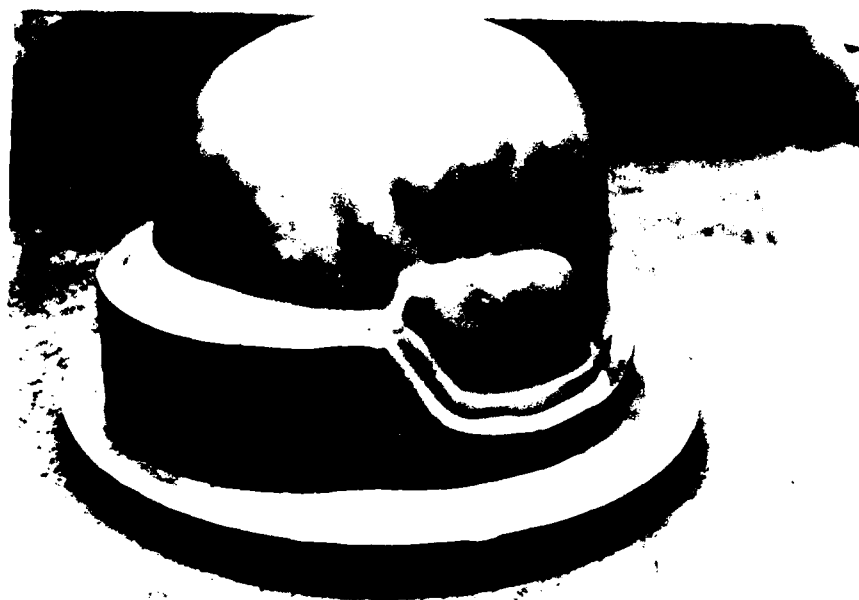


Figure 4. Steel force plug.

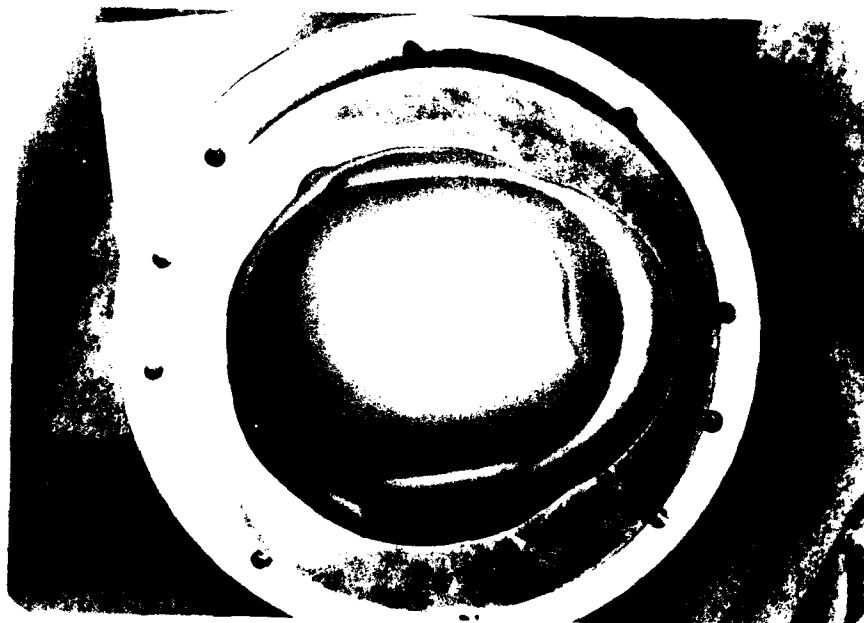


Figure 5. Steel die mold.

APPENDIX A

SAMPLE FMILL DATA

PRECEDING PAGE NOT FILMED
BLANK

-2.0000	1.7488	3.0500	000390
-2.0000	1.8596	3.1000	000100
-2.0000	1.9846	3.1500	000110
-2.0000	2.1251	3.2000	000120
-2.0000	2.2905	3.2500	000130
-2.0000	2.4836	3.3000	000140
-2.0000	2.7612	3.3500	000150
-2.0000	3.2220	3.4000	000160
-2.0000	3.7033	3.4500	000170
-2.0000	3.9409	3.5000	000180
-1.7500	1.6660	3.1000	000190
-1.7500	1.7781	3.1500	000200
-1.7500	1.9110	3.2000	000210
-1.7500	2.0460	3.2500	000220
-1.7500	2.2029	3.3000	000230
-1.7500	2.4180	3.3500	000240
-1.7500	2.6781	3.4000	000250
-1.7500	3.1268	3.4500	000260
-1.7500	3.6115	3.5000	000270
-1.7500	3.7461	3.5500	000280
-1.5000	1.5180	3.1000	000290
-1.5000	1.6260	3.1500	000300
-1.5000	1.7483	3.2000	000310
-1.5000	1.8928	3.2500	000320
-1.5000	2.0305	3.3000	000330
-1.5000	2.1874	3.3500	000340
-1.5000	2.4578	3.4000	000350
-1.5000	2.7012	3.4500	000360
-1.5000	3.2022	3.5000	000370
-1.5000	3.5721	3.5500	000380
-1.0000	1.4277	3.1500	000390
-1.0000	1.5377	3.2000	000400
-1.0000	1.6579	3.2500	000410
-1.0000	1.8010	3.3000	000420
-1.0000	1.9568	3.3500	000430
-1.0000	2.1419	3.4000	000440
-1.0000	2.4088	3.4500	000450
-1.0000	2.7199	3.5000	000460
-1.0000	3.2344	3.5500	000470
-1.0000	3.4830	3.6000	000480
-1.0000	1.3173	3.1500	000490
-1.0000	1.4084	3.2000	000500
-1.0000	1.5500	3.2500	000510
-1.0000	1.6799	3.3000	000520
-1.0000	1.8206	3.3500	000530
-1.0000	2.0084	3.4000	000540
-1.0000	2.2610	3.4500	000550
-1.0000	2.5791	3.5000	000560
-1.0000	2.9858	3.5500	000570
-1.0000	3.4236	3.6000	000580
0.0000	1.3435	3.1500	000590
0.0000	1.4433	3.2000	000600
0.0000	1.5705	3.2500	000610
0.0000	1.7027	3.3000	000620
0.0000	1.8518	3.3500	000630
0.0000	2.0368	3.4000	000640
0.0000	2.2533	3.4500	000650
0.0000	2.5955	3.5000	000660
0.0000	3.1029	3.5500	000670
0.0000	3.4113	3.6000	000680
0.0000			000690

.5000	1.3479	3.1000	000700
.5000	1.4585	3.1500	000710
.5000	1.5652	3.2000	000720
.5000	1.7060	3.2500	000730
.5000	1.8506	3.3000	000740
.5000	2.0174	3.3500	000750
.5000	2.2342	3.4000	000760
.5000	2.5117	3.4500	000770
.5000	2.9429	3.5000	000780
.5000	3.3825	3.5500	000790
1.0000	1.4434	3.0500	000800
1.0000	1.5600	3.1000	000810
1.0000	1.6853	3.1500	000820
1.0000	1.8215	3.2000	000830
1.0000	1.9899	3.2500	000840
1.0000	2.1608	3.3000	000850
1.0000	2.3932	3.3500	000860
1.0000	2.6621	3.4000	000870
1.0000	3.1932	3.4500	000880
1.0000	3.4035	3.5000	000890
1.5000	1.5464	2.9500	000900
1.5000	1.6530	3.0000	000910
1.5000	1.7605	3.0500	000920
1.5000	1.8925	3.1000	000930
1.5000	2.0377	3.1500	000940
1.5000	2.1794	3.2000	000950
1.5000	2.3942	3.2500	000960
1.5000	2.6391	3.3000	000970
1.5000	2.9676	3.3500	000980
1.5000	3.3375	3.4000	000990
1.7500	1.6452	2.9000	001000
1.7500	1.7461	2.9500	001010
1.7500	1.8680	3.0000	001020
1.7500	2.0029	3.0500	001030
1.7500	2.1406	3.1000	001040
1.7500	2.5036	3.2000	001050
1.7500	2.7748	3.2500	001060
1.7500	3.0610	3.3000	001070
1.7500	3.3367	3.3500	001080
1.7500	3.6076	3.4000	001090

APPENDIX B

SAMPLE FMILL INPUT DATA (MODIFIED)

FMILL	10	EAR	TOP	UP
-2.0000	4.1512		3.0500	
-2.0000	4.0404		3.1000	
-2.0000	3.9154		3.1500	
-2.0000	3.7749		3.2000	
-2.0000	3.6095		3.2500	
-2.0000	3.4114		3.3000	
-2.0000	3.1388		3.3500	
-2.0000	2.6780		3.4000	
-2.0000	2.1967		3.4500	
-2.0000	1.9591		3.5000	
-1.7500	4.2340		3.1000	
-1.7500	4.1219		3.1500	
-1.7500	3.9890		3.2000	
-1.7500	3.8540		3.2500	
-1.7500	3.6971		3.3000	
-1.7500	3.4820		3.3500	
-1.7500	3.2219		3.4000	
-1.7500	2.7732		3.4500	
-1.7500	2.2885		3.5000	
-1.7500	2.1539		3.5500	
-1.5000	4.3820		3.1000	
-1.5000	4.2740		3.1500	
-1.5000	4.1517		3.2000	
-1.5000	4.0072		3.2500	
-1.5000	3.8695		3.3000	
-1.5000	3.7126		3.3500	
-1.5000	3.4422		3.4000	
-1.5000	3.1988		3.4500	
-1.5000	2.6978		3.5000	
-1.5000	2.3279		3.5500	
-1.0000	4.4723		3.1500	
-1.0000	4.3623		3.2000	
-1.0000	4.2421		3.2500	
-1.0000	4.0930		3.3000	
-1.0000	3.9432		3.3500	
-1.0000	3.7581		3.4000	
-1.0000	3.4912		3.4500	
-1.0000	3.1801		3.5000	
-1.0000	2.6656		3.5500	
-1.0000	2.4170		3.6000	
-0.5000	4.5827		3.1500	
-0.5000	4.4916		3.2000	
-0.5000	4.3520		3.2500	
-0.5000	4.2201		3.3000	
-0.5000	4.0792		3.3500	
-0.5000	3.8916		3.4000	
-0.5000	3.6390		3.4500	
-0.5000	3.3209		3.5000	
-0.5000	2.9142		3.5500	
-0.5000	2.4782		3.6000	
0.0000	4.5665		3.1500	
0.0000	4.4597		3.2000	
0.0000	4.3295		3.2500	
0.0000	4.1972		3.3000	
0.0000	4.0382		3.3500	
0.0000	3.8572		3.4000	
0.0000	3.6407		3.4500	
0.0000	3.3005		3.5000	
0.0000	2.7971		3.5500	

000100
000110
000120
000130
000140
000150
000160
000170
000180
000190
000200
000210
000220
000230
000240
000250
000260
000270
000280
000290
000300
000310
000320
000330
000340
000350
000360
000370
000380
000390
000400
000410
000420
000430
000440
000450
000460
000470
000480
000490
000500
000510
000520
000530
000540
000550
000560
000570
000580
000590
000600
000610
000620
000630
000640
000650
000660
000670
000680
000690
000700

PRECEDING PAGE NOT FILMED
BLANK

0.0000	2.4887	3.6000	000710
0.5000	4.5521	3.1000	000720
0.5000	4.4415	3.1500	000730
0.5000	4.3348	3.2000	000740
0.5000	4.1940	3.2500	000750
0.5000	4.0494	3.3000	000760
0.5000	3.8826	3.3500	000770
0.5000	3.6658	3.4000	000780
0.5000	3.3893	3.4500	000790
0.5000	2.9571	3.5000	000800
0.5000	2.5175	3.5500	000810
1.0000	4.4566	3.0500	000820
1.0000	4.3400	3.1000	000830
1.0000	4.2147	3.1500	000840
1.0000	4.0795	3.2000	000850
1.0000	3.9101	3.2500	000860
1.0000	3.7392	3.3000	000870
1.0000	3.5068	3.3500	000880
1.0000	3.2379	3.4000	000890
1.0000	2.7068	3.4500	000900
1.0000	2.4965	3.5000	000910
1.5000	4.3536	2.9500	000920
1.5000	4.2470	3.0000	000930
1.5000	4.1395	3.0500	000940
1.5000	4.0075	3.1000	000950
1.5000	3.8623	3.1500	000960
1.5000	3.7206	3.2000	000970
1.5000	3.5052	3.2500	000980
1.5000	3.2609	3.3000	000990
1.5000	2.9324	3.3500	001000
1.5000	2.5625	3.4000	001010
1.7500	4.2548	2.9000	001020
1.7500	4.1539	2.9500	001030
1.7500	4.0320	3.0000	001040
1.7500	3.8971	3.0500	001050
1.7500	3.7594	3.1000	001060
1.7500	3.3964	3.2000	001070
1.7500	3.1252	3.2500	001080
1.7500	2.8390	3.3000	001090
1.7500	2.5633	3.3500	001100
1.7500	2.2924	3.4000	001110
.0005	1	10	001120
FMEND	1	10	001130
			001150

APPENDIX C

SAMPLE FMILL OUTPUT LISTING

FMILL EAR TOP UP
 THE MILLING CONTROL DATA IS E = .00050 K = 1
 STRIP NO. NO. INCHES NO. PASSES
 1 10

THE SURFACE DESCRIPTION IS				M= 10 CURVES				N= 10 POINTS PER CURVE							
POINT	X	Y	Z	ACTX	ACTY	ACTZ	ASTX	ASTY	ASTZ						
1	-2.00000	4.15120	3.05000	0.00000	-1.0963	.05251	.25216	.05191	.07467						
2	-2.00000	4.04040	3.10000	0.00000	-1.1191	.04746	.25248	.04821	.07465						
3	-2.00000	3.91540	3.15000	0.00000	-1.12599	.04745	.25271	.03182	.07444						
4	-2.00000	3.77490	3.20000	0.00000	-1.14175	.04634	.25247	.04415	.07460						
5	-2.00000	3.60350	3.25000	0.00000	-1.16660	.04583	.25440	.04874	.07470						
6	-2.00000	3.41140	3.30000	0.00000	-1.19985	.04246	.25416	-.00048	.07341						
7	-2.00000	3.13080	3.35000	0.00000	-1.27553	.02990	.25669	.02265	.07418						
8	-2.00000	2.67800	3.40000	0.00000	-.46092	.04892	.26153	-.02466	.07111						
9	-2.00000	2.19670	3.45000	0.00000	-.24150	.02509	.26021	-.02569	.07113						
10	-2.00000	1.95910	3.50000	0.00000	-.23147	.07331	.24100	.19449	.07394						
11	-1.75000	4.23400	3.10000	0.00000	-.10892	.05660	.24238	.11188	.02424						
12	-1.75000	4.12150	3.15000	0.00000	-.11510	.04263	.24151	.11283	.02415						
13	-1.75000	3.99000	3.20000	0.00000	-.13303	.04366	.23894	.11292	.02389						
14	-1.75000	3.85400	3.25000	0.00000	-.13500	.05000	.24110	.11201	.02411						
15	-1.75000	3.69710	3.30000	0.00000	-.15903	.04275	.23824	.12389	.02382						
16	-1.75000	3.48200	3.35000	0.00000	-.21610	.04548	.22578	.13601	.02258						
17	-1.75000	3.22190	3.40000	0.00000	-.26323	.02933	.22841	.13860	.02284						
18	-1.75000	2.77320	3.45000	0.00000	-.44891	.04809	.18803	.19485	.01800						
19	-1.75000	2.28650	3.50000	0.00000	-.14283	.01473	.19092	.19134	.01909						
20	-1.75000	2.15390	3.55000	0.00000	-.11848	.08112	.24433	.18022	.02443						
21	-1.50000	4.30200	3.10000	0.00000	-.10677	.05257	.27633	.08780	.01842						
22	-1.50000	4.27400	3.15000	0.00000	-.10917	.04740	.27811	.08914	.01854						
23	-1.50000	4.15170	3.20000	0.00000	-.12372	.04637	.28206	.09519	.01880						
24	-1.50000	4.00720	3.25000	0.00000	-.13808	.04893	.27815	.09086	.01854						
25	-1.50000	3.86350	3.30000	0.00000	-.13872	.04709	.28797	.09449	.01920						
26	-1.50000	3.71260	3.35000	0.00000	-.16034	.03752	.31855	.11727	.02124						
27	-1.50000	3.44220	3.40000	0.00000	-.24391	.04747	.31300	.11239	.02087						
28	-1.50000	3.17380	3.45000	0.00000	-.24677	.03308	.43311	.23498	.02887						
29	-1.50000	2.63780	3.50000	0.00000	-.37083	.04258	.42774	.21507	.02852						
30	-1.50000	2.32790	3.55000	0.00000	-.36682	.05740	.28685	.10663	.01912						
31	-1.00000	4.47230	3.15000	0.00000	-.10914	.05184	.49996	.10034	.02500						
32	-1.00000	4.36230	3.20000	0.00000	-.11083	.04814	.49793	.10835	.02490						
33	-1.00000	4.24210	3.25000	0.00000	-.12170	.04822	.50021	.09919	.02501						
34	-1.00000	4.09700	3.30000	0.00000	-.14375	.04009	.49902	.10624	.02495						
35	-1.00000	3.94200	3.35000	0.00000	-.15701	.04606	.49644	.10420	.02482						
36	-1.00000	3.75010	3.40000	0.00000	-.18721	.04142	.49606	.00879	.02480						
37	-1.00000	3.49120	3.45000	0.00000	-.26757	.04829	.49478	.00737	.02474						

PRECEDING PAGE NOT FILMED
 BLANK

38	-1.00000	3.18010	3.50000	0.00000	.03789	.49852	.06087	.02493
39	-1.00000	2.66460	3.50000	0.00000	.03295	.49155	.10637	.02458
40	-1.00000	2.11700	3.60000	0.00000	.06682	.49745	.07387	.02487
41	-50000	4.53270	3.15000	0.00000	.05051	.49492	.04201	0.00000
42	-50000	4.41160	3.20000	0.00000	.04103	.49866	.04057	0.00000
43	-50000	4.35100	3.25000	0.00000	.04811	.49852	.04357	0.00000
44	-50000	4.22010	3.30000	0.00000	.04825	.49812	.04897	0.00000
45	-50000	4.07940	3.35000	0.00000	.04348	.49945	.04745	0.00000
46	-50000	3.89160	3.40000	0.00000	.04303	.49806	.05235	0.00000
47	-50000	3.63300	3.45000	0.00000	.04444	.49412	.07684	0.00000
48	-50000	3.32090	3.50000	0.00000	.03929	.49683	.05982	0.00000
49	-50000	2.91420	3.55000	0.00000	.04818	.50915	.06695	0.00000
50	-50000	2.47640	3.60000	0.00000	.04818	.49887	.03577	0.00000
51	0.00000	4.55050	3.15000	0.00000	.06034	.49883	.03577	0.00000
52	0.00000	4.45970	3.20000	0.00000	.03854	.49377	.02504	0.00000
53	0.00000	4.32950	3.25000	0.00000	.04967	.49974	.00760	0.00000
54	0.00000	4.19730	3.30000	0.00000	.05000	.49973	.01304	0.00000
55	0.00000	4.03820	3.35000	0.00000	.04782	.50084	.01503	0.00000
56	0.00000	3.86320	3.40000	0.00000	.04504	.50016	.00450	0.00000
57	0.00000	3.64670	3.45000	0.00000	.03888	.49326	.01338	0.00000
58	0.00000	3.30050	3.50000	0.00000	.04089	.49866	.03361	0.00000
59	0.00000	2.79710	3.55000	0.00000	.03820	.51242	.02198	0.00000
60	0.00000	2.48870	3.60000	0.00000	.06173	.49911	.02051	0.00000
61	.50000	4.55210	3.10000	0.00000	.04926	.49757	.04971	0.00000
62	.50000	4.44150	3.15000	0.00000	.04926	.49682	.05947	0.00000
63	.50000	4.33480	3.20000	0.00000	.03943	.49680	.05703	0.00000
64	.50000	4.19400	3.25000	0.00000	.04941	.49655	.05899	0.00000
65	.50000	4.04940	3.30000	0.00000	.05000	.49611	.06355	0.00000
66	.50000	3.88260	3.35000	0.00000	.04393	.49661	.06158	0.00000
67	.50000	3.66580	3.40000	0.00000	.04412	.49558	.06933	0.00000
68	.50000	3.38830	3.45000	0.00000	.03248	.50659	.03171	0.00000
69	.50000	2.95710	3.50000	0.00000	.04952	.50042	.04719	0.00000
70	.50000	2.51750	3.55000	0.00000	.04952	.50042	.00390	0.00000
71	1.00000	4.45660	3.05000	0.00000	.05152	.49336	.09853	0.00000
72	1.00000	4.34000	3.10000	0.00000	.04847	.49784	.09683	0.00000
73	1.00000	4.21470	3.15000	0.00000	.04819	.50047	.09774	0.00000
74	1.00000	4.07650	3.20000	0.00000	.04130	.50068	.09338	0.00000
75	1.00000	3.91010	3.25000	0.00000	.04966	.49802	.09318	0.00000
76	1.00000	3.73920	3.30000	0.00000	.05000	.49824	.08072	0.00000
77	1.00000	3.50680	3.35000	0.00000	.04650	.49807	.07969	0.00000
78	1.00000	3.23790	3.40000	0.00000	.03392	.50081	.06380	0.00000
79	1.00000	2.76180	3.45000	0.00000	.02889	.55125	.01362	0.00000
80	1.00000	2.49650	3.50000	0.00000	.07061	.49688	.02236	0.00000
81	1.50000	4.33360	2.95000	0.00000	.05017	.25324	.06975	0.00000
82	1.50000	4.24700	3.00000	0.00000	.04983	.25860	.05417	0.00000
83	1.50000	4.13950	3.05000	0.00000	.05000	.26369	.05278	0.00000
84	1.50000	4.00750	3.10000	0.00000	.04596	.26508	.06411	0.00000
85	1.50000	3.86230	3.15000	0.00000	.04946	.26451	.05315	0.00000
86	1.50000	3.72060	3.20000	0.00000	.05000	.36364	.04929	0.00000
87	1.50000	3.56180	3.25000	0.00000	.04688	.40302	.05374	0.00000
88	1.50000	3.26690	3.30000	0.00000	.04294	.43001	.05733	0.00000
89	1.50000	2.93240	3.35000	0.00000	.04710	.43415	.05789	0.00000
90	1.50000	2.56250	3.40000	0.00000	.04709	.43222	.05885	0.00000
91	1.50000	4.25480	2.90000	0.00000	.05382	.23764	.12661	0.00000
92	1.50000	4.15390	2.95000	0.00000	.04611	.23830	.12088	0.00000
93	1.50000	4.03200	3.00000	0.00000	.04579	.22936	.14781	0.00000
94	1.50000	3.83710	3.05000	0.00000	.04955	.22722	.15328	0.00000
95	1.50000	3.75940	3.10000	0.00000	.05000	.22658	.14898	0.00000
96	1.50000	3.99640	3.20000	0.00000	.06347	.06944	.40044	0.00000
97	1.50000	3.12520	3.25000	0.00000	.04746	.02812	.45131	0.00000
98	1.50000	2.83900	3.30000	0.00000	.05000	.00590	.48701	0.00000

99
100

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00154

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00052

MD1 NUMBER= 1 NUMBER PTS= 60

2.56330 3.35000
2.29240 3.40000

0.00000
0.00000

-.27105
-.27041

-.08394
-.08638

-.43398
-.35857

.05789
.04698

.84964
.85160
.85114
.84958
.84846
.84955
.84924
.85026
.85570
.86397
.86841
.87267
.87849
.87971
.88110
.88245
.88543
.88876
.89219
.89390
.89559
.89433
.89016
.87473
.85337
.84258
.83337
.82721
.82551
.82639
.82712
.82776
.82836
.82951
.83057
.83097
.83123
.83399
.85172
.87512
.89465
.90127
.90523
.90610
.90544
.90466
.90273
.90020
.89698
.89391
.88576
.87965

.40698
.41150
.41983
.42928
.43730
.44148
.44068
.43948
.43655
.43379
.43277
.43218
.43223
.43313
.43338
.43285
.43046
.42751
.42537
.42502
.42540
.42889
.43819
.46952
.50948
.52895
.54565
.55752
.56239
.56259
.56202
.56090
.55944
.55625
.55373
.55303
.55284
.54840
.51902
.47560
.43360
.41745
.40654
.40232
.40204
.40172
.40095
.39994
.39859
.39682
.39591
.39872

-.33538
-.32473
-.31511
-.30648
-.29814
-.28874
-.29084
-.28969
-.27766
-.25569
-.24201
-.22732
-.21200
-.19627
-.18932
-.18417
-.17524
-.16536
-.15185
-.14250
-.13016
-.12737
-.12488
-.12002
-.11045
-.10135
-.08806
-.07003
-.04735
-.02384
-.00323
.01442
.02912
.04987
.05956
.06036
.05848
.06106
.07205
.08927
.10767
.11601
.12359
.13080
.13617
.14214
.15595
.17228
.19117
.21271
.24225
.25930

3.05000
3.06398
3.07603
3.08608
3.09409
3.10000
3.10180
3.10251
3.10172
3.09967
3.09882
3.09842
3.09873
3.10000
3.10267
3.10576
3.11785
3.13057
3.14219
3.14674
3.15000
3.15202
3.15320
3.15360
3.15240
3.15157
3.15080
3.15022
3.15000
3.15022
3.15080
3.15157
3.15240
3.15360
3.15320
3.15202
3.15000
3.14702
3.13866
3.12810
3.11654
3.11077
3.10521
3.10000
3.09524
3.09081
3.08338
3.07354
3.06314
3.05000
3.03173
3.00906

4.15120
4.16288
4.17708
4.19373
4.21273
4.23400
4.24642
4.26090
4.29378
4.32800
4.34417
4.35895
4.37175
4.38200
4.39074
4.39942
4.41660
4.43449
4.45287
4.46243
4.47230
4.48314
4.49528
4.52158
4.54742
4.55900
4.56905
4.57711
4.59270
4.58551
4.58584
4.58418
4.58100
4.57195
4.56253
4.55885
4.55650
4.55559
4.55643
4.55660
4.55939
4.55843
4.55611
4.55210
4.54629
4.53896
4.53081
4.52078
4.43963
4.47755
4.45660
4.43551
4.41285

-2.00000
-1.94948
-1.89896
-1.84870
-1.79896
-1.75000
-1.72585
-1.70182
-1.65362
-1.60432
-1.57935
-1.55361
-1.52720
-1.50000
-1.46812
-1.42863
-1.33221
-1.22147
-1.10715
-1.05201
-1.00000
-.84999
-.89997
-.79990
-.69925
-.84964
-.59926
-.54991
-.50000
-.45009
-.40013
-.35015
-.30014
-.20008
-.10001
-.05000
0.00000
.05001
.15013
.25028
.35035
.40031
.45020
.50000
.54984
.59981
.70000
.80029
.90039
1.00000
1.10724
1.22259

1.33432	4.39044	2.98552	.27042	.40315	.87427
1.43070	4.37009	2.95465	.28115	.40717	.86997
1.50000	4.35360	2.95000	.28346	.40864	.86756
1.55118	4.33845	2.93968	.30296	.41108	.85978
1.60252	4.32093	2.92950	.32460	.41995	.84751
1.65267	4.30111	2.91947	.34805	.43060	.83273
1.70188	4.27905	2.90962	.37221	.43843	.81807
1.75000	4.25480	2.90000	.39527	.43988	.80688

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00155

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00052

MDI NUMBER= 2 NUMBER PTS= 61

-2.00000	4.14022	3.05523	-3.3499	.40316	.85181
-1.94948	4.15189	3.06925	-3.32518	.40605	.85404
-1.89895	4.16610	3.08138	-3.1561	.41273	.85443
-1.84869	4.19277	3.09155	-3.0626	.42084	.85387
-1.79855	4.20179	3.09865	-2.9654	.42815	.85367
-1.75000	4.22307	3.10560	-2.8524	.43249	.85533
-1.72586	4.23550	3.10739	-2.8594	.43222	.85523
-1.70182	4.25001	3.10808	-2.8389	.43161	.85622
-1.65363	4.28294	3.10719	-2.7169	.42994	.86101
-1.60453	4.31723	3.10504	-2.5059	.42836	.86817
-1.57336	4.33543	3.10413	-2.3778	.42784	.87202
-1.55362	4.34823	3.10369	-2.2407	.42766	.87573
-1.52721	4.36105	3.10397	-2.0980	.42799	.87910
-1.50000	4.37131	3.10523	-1.9514	.42901	.88197
-1.46811	4.38004	3.10790	-1.8826	.42926	.88334
-1.42862	4.38870	3.11198	-1.8314	.42854	.88477
-1.33219	4.40601	3.12306	-1.7423	.42552	.88802
-1.22145	4.42362	3.13576	-1.6440	.42218	.89148
-1.10714	4.44195	3.14736	-1.5104	.42048	.89464
-1.05200	4.45150	3.15191	-1.4185	.42086	.89596
-1.00000	4.46138	3.15517	-1.2983	.42241	.89706
-.95000	4.47230	3.15721	-1.2858	.42655	.89528
-.89998	4.48462	3.15843	-1.2713	.43533	.89125
-.84991	4.51147	3.15898	-1.2276	.46309	.87777
-.79965	4.53797	3.15796	-1.1216	.49780	.86001
-.74985	4.54985	3.15721	-1.0231	.51482	.85117
-.69986	4.56015	3.15651	-.0829	.52970	.84358
-.64991	4.56838	3.15598	-.06958	.54080	.83827
-.59990	4.57405	3.15577	-.04621	.54637	.83627
-.55009	4.57686	3.15600	-.02352	.54795	.83618
-.50013	4.57717	3.15659	-.00346	.54848	.83615
-.45015	4.57547	3.15738	.01365	.54815	.83627
-.40014	4.57223	3.15823	.02835	.54713	.83657
-.35008	4.56305	3.15948	.04898	.54370	.83785
-.30001	4.55348	3.15912	.05889	.53936	.84001
-.25000	4.54975	3.15796	.06706	.53713	.84136
-.20000	4.54736	3.15594	.05880	.53497	.84282
-.15001	4.54637	3.15294	.06391	.52941	.84596
-.10013	4.54684	3.14439	.07780	.50328	.86061
-.05029	4.54847	3.13354	.09514	.46703	.87911
-.00035	4.54972	3.12170	.11202	.43202	.89488
.00031	4.54754	3.11582	.11927	.41820	.90049
.00020	4.54507	3.11018	.12554	.40836	.90415
.00000	4.54098	3.10495	.13109	.40358	.90550
.00063	4.53513	3.10019	.13632	.40188	.90549
.00980	4.52775	3.09578	.14211	.40048	.90522

.99999
.80028
.90338
.95027
1.00000
1.10724
1.22260
1.33433
1.43070
1.50000
1.55158
1.60251
1.65266
1.70188
1.75000

4.50945
4.48817
4.46599
4.45521
4.44500
4.42401
4.40158
4.37944
4.35932
4.32295
4.32789
4.31055
4.29093
4.26904
4.24489

3.08740
3.07662
3.05826
3.06212
3.05514
3.03685
3.01415
2.99058
2.96968
2.95502
2.94473
2.93463
2.92470
2.91493
2.90534

.15539
.17175
.19067
.20117
.21237
.24163
.25852
.26956
.27737
.28320
.30095
.32121
.34380
.36804
.39278

.39840
.39696
.39577
.39517
.39451
.39400
.39684
.40130
.40572
.40839
.41130
.41841
.42652
.43249
.43330

.90392
.90163
.89834
.89631
.89401
.88678
.88073
.87538
.87089
.86777
.86038
.84956
.83659
.82310
.81115

WEEDS---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00156

WEEDS---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
MDI NUMBER= .00053 3 NUMBER PTS= 61

-2.00000
-1.94347
-1.89894
-1.84868
-1.79894
-1.75000
-1.70183
-1.65365
-1.60456
-1.57938
-1.55344
-1.52722
-1.50000
-1.46810
-1.42860
-1.33216
-1.22142
-1.10712
-1.05199
-1.00000
-.95001
-.90000
-.85993
-.81966
-.78485
-.75987
-.73491
-.70000
-.65999
-.62483
-.59058
-.55112
-.51952
-.48529
-.45813
-.43084
-.40014
-.35015
-.30014
-.26008
-.22001
-.18000
-.14000
-.10000
-.06000
-.02001
.15013

3.06040
3.07446
3.08667
3.09692
3.10510
3.11108
3.11286
3.11352
3.11256
3.11032
3.10937
3.10890
3.10916
3.11041
3.11308
3.11716
3.12823
3.14091
3.15250
3.15704
3.16030
3.16235
3.16361
3.16427
3.16339
3.16272
3.16206
3.16157
3.16138
3.16161
3.16221
3.16302
3.16369
3.16518
3.16746
3.16986
3.17231
3.17481
3.17736
3.17996
3.18261
3.18536
3.18821
3.19106
3.19391
3.19676
3.19961
3.20246
3.20531
3.20816
3.21101
3.21386
3.21671
3.21956
3.22241
3.22526
3.22811
3.23096
3.23381
3.23666
3.23951
3.24236
3.24521
3.24806
3.25091
3.25376
3.25661
3.25946
3.26231
3.26516
3.26801
3.27086
3.27371
3.27656
3.27941
3.28226
3.28511
3.28796
3.29081
3.29366
3.29651
3.29936
3.30221
3.30506
3.30791
3.31076
3.31361
3.31646
3.31931
3.32216
3.32501
3.32786
3.33071
3.33356
3.33641
3.33926
3.34211
3.34496
3.34781
3.35066
3.35351
3.35636
3.35921
3.36206
3.36491
3.36776
3.37061
3.37346
3.37631
3.37916
3.38201
3.38486
3.38771
3.39056
3.39341
3.39626
3.39911
3.40196
3.40481
3.40766
3.41051
3.41336
3.41621
3.41906
3.42191
3.42476
3.42761
3.43046
3.43331
3.43616
3.43901
3.44186
3.44471
3.44756
3.45041
3.45326
3.45611
3.45896
3.46181
3.46466
3.46751
3.47036
3.47321
3.47606
3.47891
3.48176
3.48461
3.48746
3.49031
3.49316
3.49601
3.49886
3.50171
3.50456
3.50741
3.51026
3.51311
3.51596
3.51881
3.52166
3.52451
3.52736
3.53021
3.53306
3.53591
3.53876
3.54161
3.54446
3.54731
3.55016
3.55301
3.55586
3.55871
3.56156
3.56441
3.56726
3.57011
3.57296
3.57581
3.57866
3.58151
3.58436
3.58721
3.59006
3.59291
3.59576
3.59861
3.60146
3.60431
3.60716
3.61001
3.61286
3.61571
3.61856
3.62141
3.62426
3.62711
3.62996
3.63281
3.63566
3.63851
3.64136
3.64421
3.64706
3.64991
3.65276
3.65561
3.65846
3.66131
3.66416
3.66701
3.66986
3.67271
3.67556
3.67841
3.68126
3.68411
3.68696
3.68981
3.69266
3.69551
3.69836
3.70121
3.70406
3.70691
3.70976
3.71261
3.71546
3.71831
3.72116
3.72401
3.72686
3.72971
3.73256
3.73541
3.73826
3.74111
3.74396
3.74681
3.74966
3.75251
3.75536
3.75821
3.76106
3.76391
3.76676
3.76961
3.77246
3.77531
3.77816
3.78101
3.78386
3.78671
3.78956
3.79241
3.79526
3.79811
3.80096
3.80381
3.80666
3.80951
3.81236
3.81521
3.81806
3.82091
3.82376
3.82661
3.82946
3.83231
3.83516
3.83801
3.84086
3.84371
3.84656
3.84941
3.85226
3.85511
3.85796
3.86081
3.86366
3.86651
3.86936
3.87221
3.87506
3.87791
3.88076
3.88361
3.88646
3.88931
3.89216
3.89501
3.89786
3.90071
3.90356
3.90641
3.90926
3.91211
3.91496
3.91781
3.92066
3.92351
3.92636
3.92921
3.93206
3.93491
3.93776
3.94061
3.94346
3.94631
3.94916
3.95201
3.95486
3.95771
3.96056
3.96341
3.96626
3.96911
3.97196
3.97481
3.97766
3.98051
3.98336
3.98621
3.98906
3.99191
3.99476
3.99761
4.00046
4.00331
4.00616
4.00901
4.01186
4.01471
4.01756
4.02041
4.02326
4.02611
4.02896
4.03181
4.03466
4.03751
4.04036
4.04321
4.04606
4.04891
4.05176
4.05461
4.05746
4.06031
4.06316
4.06601
4.06886
4.07171
4.07456
4.07741
4.08026
4.08311
4.08596
4.08881
4.09166
4.09451
4.09736
4.10021
4.10306
4.10591
4.10876
4.11161
4.11446
4.11731
4.12016
4.12301
4.12586
4.12871
4.13156
4.13441
4.13726
4.14011
4.14296
4.14581
4.14866
4.15151
4.15436
4.15721
4.16006
4.16291
4.16576
4.16861
4.17146
4.17431
4.17716
4.18001
4.18286
4.18571
4.18856
4.19141
4.19426
4.19711
4.20001
4.20286
4.20571
4.20856
4.21141
4.21426
4.21711
4.22001
4.22286
4.22571
4.22856
4.23141
4.23426
4.23711
4.24001
4.24286
4.24571
4.24856
4.25141
4.25426
4.25711
4.26001
4.26286
4.26571
4.26856
4.27141
4.27426
4.27711
4.28001
4.28286
4.28571
4.28856
4.29141
4.29426
4.29711
4.30001
4.30286
4.30571
4.30856
4.31141
4.31426
4.31711
4.32001
4.32286
4.32571
4.32856
4.33141
4.33426
4.33711
4.34001
4.34286
4.34571
4.34856
4.35141
4.35426
4.35711
4.36001
4.36286
4.36571
4.36856
4.37141
4.37426
4.37711
4.38001
4.38286
4.38571
4.38856
4.39141
4.39426
4.39711
4.40001
4.40286
4.40571
4.40856
4.41141
4.41426
4.41711
4.42001
4.42286
4.42571
4.42856
4.43141
4.43426
4.43711
4.44001
4.44286
4.44571
4.44856
4.45141
4.45426
4.45711
4.46001
4.46286
4.46571
4.46856
4.47141
4.47426
4.47711
4.48001
4.48286
4.48571
4.48856
4.49141
4.49426
4.49711
4.50001
4.50286
4.50571
4.50856
4.51141
4.51426
4.51711
4.52001
4.52286
4.52571
4.52856
4.53141
4.53426
4.53711
4.54001
4.54286
4.54571
4.54856
4.55141
4.55426
4.55711
4.56001
4.56286
4.56571
4.56856
4.57141
4.57426
4.57711
4.58001
4.58286
4.58571
4.58856
4.59141
4.59426
4.59711
4.60001
4.60286
4.60571
4.60856
4.61141
4.61426
4.61711
4.62001
4.62286
4.62571
4.62856
4.63141
4.63426
4.63711
4.64001
4.64286
4.64571
4.64856
4.65141
4.65426
4.65711
4.66001
4.66286
4.66571
4.66856
4.67141
4.67426
4.67711
4.68001
4.68286
4.68571
4.68856
4.69141
4.69426
4.69711
4.70001
4.70286
4.70571
4.70856
4.71141
4.71426
4.71711
4.72001
4.72286
4.72571
4.72856
4.73141
4.73426
4.73711
4.74001
4.74286
4.74571
4.74856
4.75141
4.75426
4.75711
4.76001
4.76286
4.76571
4.76856
4.77141
4.77426
4.77711
4.78001
4.78286
4.78571
4.78856
4.79141
4.79426
4.79711
4.80001
4.80286
4.80571
4.80856
4.81141
4.81426
4.81711
4.82001
4.82286
4.82571
4.82856
4.83141
4.83426
4.83711
4.84001
4.84286
4.84571
4.84856
4.85141
4.85426
4.85711
4.86001
4.86286
4.86571
4.86856
4.87141
4.87426
4.87711
4.88001
4.88286
4.88571
4.88856
4.89141
4.89426
4.89711
4.90001
4.90286
4.90571
4.90856
4.91141
4.91426
4.91711
4.92001
4.92286
4.92571
4.92856
4.93141
4.93426
4.93711
4.94001
4.94286
4.94571
4.94856
4.95141
4.95426
4.95711
4.96001
4.96286
4.96571
4.96856
4.97141
4.97426
4.97711
4.98001
4.98286
4.98571
4.98856
4.99141
4.99426
4.99711
5.00001
5.00286
5.00571
5.00856
5.01141
5.01426
5.01711
5.02001
5.02286
5.02571
5.02856
5.03141
5.03426
5.03711
5.04001
5.04286
5.04571
5.04856
5.05141
5.05426
5.05711
5.06001
5.06286
5.06571
5.06856
5.07141
5.07426
5.07711
5.08001
5.08286
5.08571
5.08856
5.09141
5.09426
5.09711
5.10001
5.10286
5.10571
5.10856
5.11141
5.11426
5.11711
5.12001
5.12286
5.12571
5.12856
5.13141
5.13426
5.13711
5.14001
5.14286
5.14571
5.14856
5.15141
5.15426
5.15711
5.16001
5.16286
5.16571
5.16856
5.17141
5.17426
5.17711
5.18001
5.18286
5.18571
5.18856
5.19141
5.19426
5.19711
5.20001
5.20286
5.20571
5.20856
5.21141
5.21426
5.21711
5.22001
5.22286
5.22571
5.22856
5.23141
5.23426
5.23711
5.24001
5.24286
5.24571
5.24856
5.25141
5.25426
5.25711
5.26001
5.26286
5.26571
5.26856
5.27141
5.27426
5.27711
5.28001
5.28286
5.28571
5.28856
5.29141
5.29426
5.29711
5.30001
5.30286
5.30571
5.30856
5.31141
5.31426
5.31711
5.32001
5.32286
5.32571
5.32856
5.33141
5.33426
5.33711
5.34001
5.34286
5.34571
5.34856
5.35141
5.35426
5.35711
5.36001
5.36286
5.36571
5.36856
5.37141
5.37426
5.37711
5.38001
5.38286
5.38571
5.38856
5.39141
5.39426
5.39711
5.40001
5.40286
5.40571
5.40856
5.41141
5.41426
5.41711
5.42001
5.42286
5.42571
5.42856
5.43141
5.43426
5.43711
5.44001
5.44286
5.44571
5.44856
5.45141
5.45426
5.45711
5.46001
5.46286
5.46571
5.46856
5.47141
5.47426
5.47711
5.48001
5.48286
5.48571
5.48856
5.49141
5.49426
5.49711
5.50001
5.50286
5.50571
5.50856
5.51141
5.51426
5.51711
5.52001
5.52286
5.52571
5.52856
5.53141
5.53426
5.53711
5.54001
5.54286
5.54571
5.54856
5.55141
5.55426
5.55711
5.56001
5.56286
5.56571
5.56856
5.57141
5.57426
5.57711
5.58001
5.58286
5.58571
5.58856
5.59141
5.59426
5.59711
5.60001
5.60286
5.60571
5.60856
5.61141
5.61426
5.61711
5.62001
5.62286
5.62571
5.62856
5.63141
5.63426
5.63711
5.64001
5.64286
5.64571
5.64856
5.65141
5.65426
5.65711
5.66001
5.66286
5.66571
5.66856
5.67141
5.67426
5.67711
5.68001
5.68286
5.68571
5.68856
5.69141
5.69426
5.69711
5.70001
5.70286
5.70571
5.70856
5.71141
5.71426
5.71711
5.72001
5.72286
5.72571
5.72856
5.73141
5.73426
5.73711
5.74001
5.74286
5.74571
5.74856
5.75141
5.75426
5.75711
5.76001
5.76286
5.76571
5.76856
5.77141
5.77426
5.77711
5.78001
5.78286
5.78571
5.78856
5.79141
5.79426
5.79711
5.80001
5.80286
5.80571
5.80856
5.81141
5.81426
5.81711
5.82001
5.82286
5.82571
5.82856
5.83141
5.83426
5.83711
5.84001
5.84286
5.84571
5.84856
5.85141
5.85426
5.85711
5.86001
5.86286
5.86571
5.86856
5.87141
5.87426
5.87711
5.88001
5.88286
5.88571
5.88856
5.89141
5.89426
5.89711
5.90001
5.90286
5.90571
5.90856
5.91141
5.91426
5.91711
5.92001
5.92286
5.92571
5.92856
5.93141
5.93426
5.93711
5.94001
5.94286
5.94571
5.94856
5.95141
5.95426
5.95711
5.96001
5.96286
5.96571
5.96856
5.97141
5.97426
5.97711
5.98001
5.98286
5.98571
5.98856
5.99141
5.99426
5.99711
6.00001
6.00286
6.00571
6.00856
6.01141
6.01426
6.01711
6.02001
6.02286
6.02571
6.02856
6.03141
6.03426
6.03711
6.04001
6.04286
6.04571
6.04856
6.05141
6.05426
6.05711
6.06001
6.06286
6.06571
6.06856
6.07141
6.07426
6.07711
6.08001
6.08286
6.08571
6.08856
6.09141
6.09426
6.09711
6.10001
6.10286
6.10571
6.10856
6.11141
6.11426
6.11711
6.12001
6.12286
6.12571
6.12856
6.13141
6.13426
6.13711
6.14001
6.14286
6.14571
6.14856
6.15141
6.15426
6.15711
6.16001
6.16286
6.16571
6.16856
6.17141
6.17426
6.17711
6.18001
6.18286
6.18571
6.18856
6.19141
6.19426
6.19711
6.20001
6.20286
6.20571
6.20856
6.21141
6.21426
6.21711
6.22001
6.22286
6.22571
6.22856
6.23141
6.23426
6.23711
6.24001
6.24286
6.24571
6.24856
6.25141
6.25426
6.25711
6.26001
6.26286
6.26571
6.26856
6.27141
6.27426
6.27711
6.28001
6.28286
6.28571
6.28856
6.29141
6.29426
6.29711
6.30001
6.30286
6.30571
6.30856
6.31141
6.31426
6.31711
6.32001
6.32286
6.32571
6.32856
6.33141
6.33426
6.33711
6.34001
6.34286
6.34571
6.34856
6.35141
6.35426
6.35711
6.36001
6.36286
6.36571
6.36856
6.37141
6.37426
6.37711
6.38001
6.38286
6.38571
6.38856
6.39141
6.39426
6.39711
6.40001
6.40286
6.40571
6.40856
6.41141
6.41426
6.41711
6.42001
6.42286
6.42571
6.42856
6.43141
6.43426
6.43711
6.44001
6.44286
6.44571
6.44856
6.45141
6.45426
6.45711
6.46001
6.46286
6.46571
6.46856
6.47141
6.47426
6.47711
6.48001
6.48286
6.48571
6.48856
6.49141
6.49426
6.49711
6.50001
6.50286
6.50571
6.50856
6.51141
6.51426
6.51711
6.52001
6

253.9	4.53825	3.12890	.39939	.45844	.88308
.35036	4.53804	3.12685	.11566	.43011	.89534
.40332	4.53665	3.12083	.12208	.41858	.89994
.45020	4.53402	3.11518	.12741	.40989	.90319
.50060	4.52982	3.10993	.13176	.40478	.90487
.54985	4.52390	3.10518	.13679	.40196	.90538
.59979	4.51645	3.10078	.14236	.39968	.90553
.65017	4.50802	3.09243	.15542	.39641	.90482
.80226	4.49662	3.08368	.17131	.39441	.90283
.90057	4.48438	3.07335	.19017	.39315	.89959
.95026	4.47360	3.06722	.20070	.39267	.89751
1.00000	4.46339	3.05024	.21196	.39220	.89513
1.10726	4.45250	3.04195	.24100	.39205	.88782
1.22352	4.44028	3.03122	.25775	.39504	.88177
1.33434	4.42643	2.99562	.26871	.39566	.87640
1.43071	4.41185	2.97470	.27652	.40452	.87172
1.50000	4.39329	2.96003	.28256	.40819	.86807
1.55157	4.3735	2.94977	.29916	.41130	.86101
1.60250	4.35016	2.93973	.31828	.41670	.85147
1.65265	4.28071	2.92988	.34015	.42245	.84014
1.70187	4.25897	2.92018	.35417	.42670	.82783
1.75000	4.23493	2.91061	.38984	.42768	.81555

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00157

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER=	4 NUMBER	PTS=	61
-2.00000	4.11820	3.06553	-33348
-1.94946	4.12977	3.07961	-32501
-1.89893	4.14396	3.09187	-31545
-1.84866	4.16064	3.10220	-30479
-1.79893	4.17970	3.11043	-29263
-1.75000	4.20103	3.11643	-27809
-1.72587	4.21348	3.11821	-27614
-1.70185	4.22803	3.11895	-27245
-1.65369	4.26110	3.11784	-25985
-1.60450	4.29554	3.11552	-24119
-1.57942	4.31182	3.11455	-23015
-1.55367	4.32669	3.11405	-21830
-1.52723	4.33956	3.11429	-20587
-1.50000	4.34985	3.11554	-19303
-1.46808	4.35858	3.11821	-18608
-1.42957	4.36718	3.12229	-18094
-1.33211	4.38429	3.13335	-17214
-1.22137	4.40169	3.14502	-16262
-1.10708	4.41991	3.15760	-14938
-1.05197	4.42949	3.16214	-14124
-1.00000	4.43948	3.16539	-13007
-.95033	4.45063	3.16745	-13078
-.90002	4.46331	3.16873	-13050
-.79996	4.49117	3.16949	-12610
-.69988	4.51680	3.16871	-11347
-.64966	4.53120	3.16808	-10251
-.59867	4.54196	3.16747	-08763
-.54991	4.55054	3.16700	-06841
-.50000	4.55641	3.16682	-04473
-.45009	4.55931	3.16705	-02356
-.40014	4.55964	3.16766	-00451
-.35016	4.55790	3.16848	.01217

-30015	4.55457	3.16936	.02632	.51852	.85466
-20008	4.54511	3.17069	.04699	.51415	.85641
-10001	4.55518	3.17040	.05800	.50697	.86001
-05000	4.53125	3.16925	.06025	.50264	.86239
-00000	4.52868	3.16724	.06059	.49795	.86508
.05001	4.52745	3.16420	.06909	.49152	.86812
.15014	4.52722	3.15540	.08666	.47260	.87701
.25030	4.52796	3.14418	.10387	.44980	.88707
.35037	4.52733	3.13197	.11859	.42788	.89602
.40033	4.52577	3.12594	.12445	.41861	.89960
.45021	4.52297	3.12021	.12914	.41115	.90238
.50000	4.51865	3.11494	.13271	.40595	.90421
.54982	4.51262	3.11019	.13753	.40231	.90512
.59977	4.50508	3.10579	.14287	.39932	.90561
.64975	4.49650	3.09746	.15546	.39496	.90545
.69975	4.48650	3.08874	.17101	.39227	.90381
.74975	4.47650	3.07843	.18669	.39073	.90075
.79975	4.46474	3.07230	.20021	.39025	.89868
.84975	4.45196	3.06532	.21149	.38990	.89624
.89975	4.43176	3.05832	.22434	.39006	.88887
.94975	4.40997	3.04701	.23697	.39331	.88277
.99975	4.37896	3.02427	.25697	.39322	.87731
1.00000	4.35733	3.00065	.28785	.40355	.87246
1.00000	4.33768	2.97971	.27560	.40802	.86845
1.00000	4.32164	2.96504	.28163	.41108	.86165
1.00000	4.30682	2.95480	.29760	.41482	.85325
1.00000	4.28976	2.94481	.31606	.41842	.84339
1.00000	4.27045	2.93507	.33708	.42108	.83225
1.00000	4.24885	2.92535	.36061	.42207	.82002
1.00000	4.22494	2.91581	.38655		

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00159

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 5 NUMBER PTS= 61

-2.00000	4.10716	3.07061	-.33249	.39184	.85785
-1.94946	4.11865	3.08470	-.32443	.39106	.86129
-1.89891	4.13280	3.09700	-.31476	.39275	.86410
-1.84834	4.14948	3.10737	-.30346	.39600	.86666
-1.79891	4.16856	3.11564	-.29021	.39991	.86939
-1.75000	4.18991	3.12166	-.27437	.40359	.87283
-1.72588	4.20238	3.12342	-.27122	.40454	.87338
-1.70168	4.21696	3.12406	-.26681	.40563	.87423
-1.65373	4.25010	3.12301	-.25424	.40811	.87682
-1.60464	4.25464	3.12065	-.23696	.41088	.88036
-1.57946	4.30096	3.11965	-.22679	.41232	.88236
-1.55370	4.31587	3.11914	-.21580	.41375	.88444
-1.52725	4.32877	3.11937	-.20415	.41517	.88654
-1.50000	4.33909	3.12062	-.19201	.41656	.88860
-1.46006	4.34781	3.12329	-.18498	.41687	.88995
-1.42853	4.35639	3.12737	-.17982	.41598	.89142
-1.39325	4.37327	3.13842	-.17112	.41237	.89480
-1.35700	4.39665	3.15109	-.16182	.40886	.89813
-1.32104	4.40832	3.16266	-.14948	.40825	.90055
-1.28535	4.41844	3.16719	-.14116	.40988	.90115
-1.25000	4.42850	3.17044	-.13046	.41330	.90120
-1.21500	4.43979	3.17251	-.13107	.41805	.89883
-1.18000	4.45266	3.17381	-.13159	.42470	.89372
-1.14500	4.46097	3.17482	-.12677	.44234	.88784
-1.11000	4.46909	3.17390	-.11316	.46315	.87902

-64988	4.52173	3.17330	-10180	.47358	.87485
-59987	4.53269	3.17271	-10873	.48325	.87118
-54991	4.54144	3.17227	-06758	.49144	.86829
-50000	4.54743	3.17209	-04419	.49735	.86642
-45009	4.55040	3.17233	-02371	.50088	.86519
-40014	4.55076	3.17294	-00516	.50277	.86440
-35016	4.54902	3.17377	.01118	.50317	.86412
-30015	4.54565	3.17466	.02515	.50224	.86436
-20068	4.53605	3.17601	.04588	.49717	.86644
-10001	4.52590	3.17573	.05760	.48895	.87041
-84999	4.52185	3.17460	.06051	.48405	.87295
-03000	4.51915	3.17259	.06172	.47878	.87576
.05001	4.51778	3.16954	.07125	.47254	.87843
.15014	4.51722	3.16068	.08983	.45754	.88464
.25031	4.51761	3.14937	.10683	.44109	.89108
.35038	4.51662	3.13707	.12085	.42530	.89695
.40034	4.51489	3.13100	.12634	.41828	.89949
.45022	4.51193	3.12524	.13069	.41214	.90170
.50000	4.50747	3.11996	.13386	.40709	.90353
.54981	4.50132	3.11522	.13847	.40291	.90471
.59975	4.49368	3.11083	.14358	.39939	.90547
.69991	4.47495	3.10250	.15571	.39404	.90581
.80019	4.45339	3.09378	.17085	.39053	.90460
.90031	4.43108	3.08347	.18927	.38848	.90181
.95023	4.42030	3.07734	.19973	.38791	.89980
1.00000	4.41012	3.07037	.21099	.38759	.89736
1.10731	4.38944	3.05205	.23965	.38804	.88994
1.22268	4.36763	3.02929	.25616	.39165	.88373
1.32440	4.34624	3.00566	.26696	.39699	.87814
1.43075	4.32683	2.98472	.27462	.40282	.87311
1.50000	4.31098	2.97004	.28052	.40788	.86887
1.55154	4.29630	2.95982	.29626	.41063	.86233
1.60246	4.27936	2.94986	.31422	.41279	.85491
1.65261	4.26016	2.94009	.33452	.41442	.84638
1.70184	4.23867	2.93046	.35738	.41561	.83639
1.75000	4.21490	2.92092	.38304	.41646	.82453

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00160

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= .00054 6 NUMBER PTS= 61

-2.00000	4.09609	3.07563	-33144	.38807	.85997
-1.94945	4.10749	3.08973	-32355	.38648	.86369
-1.89849	4.12160	3.10205	-31363	.38651	.86732
-1.84862	4.13826	3.11244	-30166	.38786	.87096
-1.79990	4.15735	3.12072	-28742	.39022	.87471
-1.75000	4.17872	3.12675	-27051	.39329	.87872
-1.72590	4.15122	3.12851	-26625	.39454	.87946
-1.70190	4.20583	3.12914	-26124	.39616	.88023
-1.65377	4.23906	3.12807	-24888	.40017	.88200
-1.60469	4.27370	3.12569	-23308	.40468	.88426
-1.57951	4.29006	3.12469	-22379	.40691	.88563
-1.55374	4.30501	3.12417	-21359	.40900	.88719
-1.52728	4.31796	3.12440	-20261	.41086	.88890
-1.50000	4.32830	3.12565	-19099	.41239	.89076
-1.46804	4.33702	3.12631	-18389	.41272	.89210
-1.43848	4.34556	3.13239	-17873	.41190	.89353
-1.33198	4.36242	3.14345	-17015	.40851	.89676
-1.22124	4.37958	3.15611	-16110	.40528	.89989

-1.10699	4.39771	3.16768	-1.14918	.40495	.90209
-1.05192	4.40736	3.17221	-1.14118	.40671	.90258
-1.00000	4.41751	3.17546	-1.13092	.41024	.90253
-95007	4.42894	3.17753	-1.13236	.41474	.90326
-90010	4.44198	3.17883	-1.13228	.42050	.89760
-80004	4.47072	3.17966	-1.12682	.43495	.89148
-69993	4.49931	3.17997	-1.11227	.45168	.88509
-64989	4.51216	3.17838	-1.10660	.46015	.88213
-59528	4.52332	3.17780	-1.08547	.46814	.87951
-54991	4.53224	3.17736	-1.06654	.47518	.87737
-50000	4.53835	3.17718	-1.04365	.48068	.87581
-45010	4.54139	3.17742	-1.02384	.48417	.87465
-40015	4.54179	3.17804	-1.00580	.48588	.87391
-35017	4.54005	3.17888	-1.01018	.48598	.87391
-30015	4.53665	3.17977	-1.02393	.48469	.87436
-20009	4.52691	3.18113	-1.04468	.47875	.87681
-10001	4.51653	3.18087	-1.05714	.46974	.88095
-04959	4.51235	3.17973	-1.06073	.46456	.88346
0.00000	4.50950	3.17772	-1.06283	.45913	.88614
.05001	4.50799	3.17467	-1.07305	.45346	.88828
.15015	4.50713	3.16579	-1.09220	.44259	.89197
.25033	4.50721	3.15445	-1.10893	.43226	.89515
.35040	4.50592	3.14212	-1.12244	.42239	.89811
.40035	4.50403	3.13605	-1.12776	.41759	.89961
.45023	4.50092	3.13028	-1.13202	.41287	.90117
.50000	4.49631	3.12500	-1.13510	.40821	.90284
.54960	4.49003	3.12025	-1.13956	.40377	.90415
.59973	4.48228	3.11586	-1.14448	.39989	.90511
.69967	4.46339	3.10753	-1.15618	.39363	.90591
.80015	4.44173	3.09881	-1.17088	.38918	.90517
.90028	4.41940	3.08850	-1.18994	.38642	.90276
.95021	4.40862	3.08236	-1.19928	.38564	.90087
1.00000	4.39846	3.07538	-1.21048	.38528	.89848
1.10734	4.37790	3.05706	-1.23892	.38599	.89103
1.22273	4.35628	3.03430	-1.25532	.39007	.88468
1.33444	4.33513	3.01066	-1.26603	.39597	.87888
1.43377	4.31597	2.98972	-1.27360	.40233	.87366
1.50000	4.30032	2.97504	-1.27931	.40775	.86932
1.55153	4.28578	2.96483	-1.29515	.40996	.86303
1.60244	4.26894	2.95489	-1.31280	.41061	.85648
1.65259	4.24983	2.94512	-1.32245	.41029	.84911
1.70183	4.22846	2.93550	-1.33448	.41081	.84024
1.75000	4.20483	2.92596	-1.37943		.82902

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00161

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= .00054

-2.00000	4.08499	3.08061	-1.33041	.38429	.86206
-1.94944	4.09631	3.09470	-1.32237	.38209	.86607
-1.89587	4.11036	3.10702	-1.31205	.38045	.87056
-1.84659	4.12700	3.11740	-1.29936	.37976	.87531
-1.79888	4.14608	3.12568	-1.28420	.38037	.88008
-1.75000	4.16748	3.13169	-1.26648	.38264	.88463
-1.72591	4.17959	3.13346	-1.26125	.38414	.88555
-1.70193	4.19464	3.13409	-1.25574	.38628	.88622
-1.65382	4.22797	3.13302	-1.24381	.39190	.88712
-1.50474	4.26271	3.13066	-1.22359	.39828	.88807
-1.57956	4.27914	3.12966	-1.22115	.40138	.88881

-1.55378	4.29414	3.12914	-21169	40419	88984
-1.52730	4.30712	3.12937	-20123	40653	89120
-1.50030	4.31749	3.13062	-18997	40821	89291
-1.46741	4.33021	3.13329	-18282	40857	89423
-1.42334	4.33472	3.13737	-17769	40787	89558
-1.33391	4.35146	3.14843	-16926	40489	89856
-1.22117	4.36848	3.16109	-16046	40210	90143
-1.10545	4.38657	3.17266	-14895	40202	90343
-1.05169	4.35626	3.17720	-14124	40378	90389
-1.00000	4.40650	3.18044	-13137	40718	90385
-.95010	4.41807	3.18251	-13281	41120	90182
-.90013	4.43129	3.18381	-13254	41596	89967
-.80007	4.45044	3.18462	-12628	42731	89524
-.69095	4.48945	3.18392	-11083	44022	89102
-.59590	4.50252	3.18332	-.9892	44882	88914
-.59988	4.51387	3.18273	-.98362	45319	88747
-.54991	4.52294	3.18229	-.96525	45899	88604
-.50000	4.52917	3.18211	-.94302	46384	88487
-.45010	4.53229	3.18235	-.92386	46697	88395
-.40015	4.53272	3.18296	-.90634	46820	88360
-.35017	4.53098	3.18380	-.89923	46776	88381
-.30016	4.52755	3.18470	-.87270	46589	88455
-.20009	4.51765	3.18605	-.84339	45895	88740
-.10001	4.50705	3.18579	-.81556	44938	89155
-.04999	4.50273	3.18465	-.76082	44418	89387
0.00000	4.49974	3.18264	-.66379	43899	89623
.05001	4.49809	3.17959	-.67442	43424	89772
.15015	4.49695	3.17074	-.69381	42767	89905
.25034	4.49677	3.15943	-.71020	42329	89927
.35042	4.49521	3.14713	-.72338	41912	89951
.40037	4.49319	3.14107	-.72869	41654	89996
.45023	4.48995	3.13531	-.73306	41334	90080
.50000	4.48520	3.13004	-.73635	40932	90214
.54979	4.47878	3.12529	-.74073	40491	90346
.59971	4.47091	3.12089	-.74553	40082	90452
.69984	4.45184	3.11256	-.75687	39373	90574
.80011	4.43008	3.10382	-.77110	38821	90555
.90025	4.40771	3.09349	-.78873	38452	90362
.95019	4.39694	3.08735	-.79890	38345	90189
1.00000	4.38680	3.08037	-.80996	38297	89958
1.10737	4.36634	3.06204	-.83814	38391	89213
1.22777	4.34492	3.03928	-.85442	38857	88560
1.33447	4.32402	3.01565	-.86505	39516	87954
1.43078	4.30511	2.99471	-.87254	40206	87411
1.50000	4.28966	2.98004	-.87811	40762	86977
1.55151	4.27525	2.96983	-.89428	40907	86375
1.60242	4.25851	2.95987	-.91177	40829	85796
1.65257	4.23948	2.95010	-.93082	40656	85163
1.70181	4.21820	2.94047	-.95192	40510	84383
1.75000	4.19471	2.93093	-.97582	40511	83345

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00162

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00054

MDI NUMBER= 8 NUMBER PTS= 61

-2.00000	4.07388	3.08553	-.32944	38050	86411
-1.94543	4.08510	3.09961	-.32092	37789	86845
-1.89866	4.09909	3.11190	-.31000	37458	87384
-1.84857	4.11569	3.12224	-.29651	37170	87973

-1.79866	4.13477	3.13049	-28051	37035	.88553
-1.75000	4.15617	3.13650	-26224	.37164	.89057
-1.72592	4.16871	3.13826	-25618	.37333	.89163
-1.70195	4.18339	3.13890	-25031	.37600	.89216
-1.65386	4.21683	3.13787	-23903	.38330	.89178
-1.60479	4.25170	3.13553	-22651	.39170	.89189
-1.57960	4.26818	3.13455	-21891	.39573	.89241
-1.55381	4.28323	3.13405	-21009	.39932	.89303
-1.52732	4.29625	3.13429	-20002	.40218	.89344
-1.50000	4.30665	3.13554	-18892	.40401	.89503
-1.46799	4.31537	3.13321	-18179	.40441	.89633
-1.42840	4.32385	3.14230	-17672	.40389	.89758
-1.33185	4.34047	3.15336	-16847	.40151	.90023
-1.22110	4.35738	3.16603	-15991	.39931	.90276
-1.10690	4.37543	3.17761	-14877	.39947	.90460
-1.05187	4.38515	3.18214	-14130	.40109	.90508
-1.00000	4.39548	3.18539	-13171	.40412	.90517
-95012	4.40717	3.18745	-13297	.40744	.90350
-90017	4.42055	3.18373	-13238	.41111	.90192
-80011	4.45010	3.18949	-12518	.41944	.89911
-69997	4.47955	3.18873	-10887	.42876	.89683
-64991	4.49281	3.18811	-09679	.43359	.89590
-59989	4.50434	3.18750	-08180	.43835	.89508
-54991	4.51356	3.18704	-06367	.44284	.89434
-50000	4.51990	3.18685	-04225	.44682	.89363
-45010	4.52309	3.18709	-02371	.44928	.89307
-40016	4.52355	3.18770	-00675	.44976	.89312
-35018	4.52179	3.18853	.00837	.44854	.89372
-30016	4.51832	3.18942	.02151	.44593	.89481
-20009	4.50827	3.19076	.04200	.43782	.89808
-10001	4.49744	3.19048	.05581	.42789	.90211
-04999	4.49300	3.18935	.06071	.42294	.90412
0.00000	4.48987	3.18734	.06450	.41833	.90600
.05001	4.48809	3.18429	.07531	.41402	.90678
.15016	4.48672	3.17550	.09467	.41274	.90592
.25035	4.48631	3.16429	.11069	.41413	.90346
.35043	4.48452	3.15208	.12368	.41548	.90116
.40038	4.48238	3.14606	.12911	.41512	.90056
.45024	4.47902	3.14033	.13378	.41356	.90060
.50000	4.47414	3.13506	.13752	.41044	.90146
.54978	4.46759	3.13032	.14192	.40633	.90264
.59369	4.45961	3.12592	.14670	.40221	.90372
.63980	4.44035	3.11756	.15779	.39435	.90531
.80007	4.41846	3.10681	.17155	.38762	.90571
.90022	4.39602	3.09846	.18667	.38279	.90436
.95017	4.38525	3.09231	.19860	.38133	.90285
1.00000	4.37512	3.08532	.20947	.38065	.90068
1.10740	4.35477	3.06699	.23732	.38180	.89326
1.22260	4.33356	3.04424	.25346	.38714	.88550
1.33450	4.31291	3.02062	.26401	.39455	.88013
1.43080	4.29425	2.99970	.27146	.40203	.87446
1.50000	4.27900	2.98504	.27699	.40749	.87020
1.55150	4.26472	2.97482	.29364	.40795	.86449
1.60240	4.24807	2.96483	.31109	.40585	.85937
1.65254	4.22911	2.95503	.32959	.40271	.85393
1.70160	4.20792	2.94537	.34971	.40006	.84715
1.75000	4.18455	2.93581	.37233	.39935	.83779

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00163

WEED---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 9 NUMBER PTS= 61

4.06274	3.09041	-32861	.37667	.86610
4.07389	3.10470	-31921	.37386	.87082
4.08780	3.11670	-30744	.36886	.87117
4.10435	3.12598	-29307	.36365	.88423
4.12340	3.13517	-27629	.36015	.89104
4.14115	3.14115	-25777	.36028	.89652
4.15736	3.14292	-25105	.36212	.89769
4.17209	3.14356	-24497	.36531	.89808
4.20564	3.14259	-23460	.37436	.89711
4.24065	3.14033	-22389	.38492	.89538
4.25720	3.13937	-21710	.38997	.89487
4.27230	3.13889	-20883	.39439	.89490
4.28537	3.13915	-19900	.39781	.89563
4.29579	3.14041	-18785	.39981	.89714
4.30451	3.14309	-18082	.40024	.89840
4.31296	3.14718	-17585	.39995	.89951
4.32949	3.15825	-16780	.39836	.90175
4.34629	3.17093	-15948	.39693	.90389
4.36430	3.18251	-14862	.39728	.90558
4.37404	3.18705	-14131	.39863	.90616
4.38443	3.19030	-13189	.40106	.90651
4.39624	3.19235	-13280	.40346	.90531
4.40978	3.19360	-13177	.40596	.90434
4.43971	3.19428	-12355	.41134	.90307
4.46958	3.19342	-10643	.41728	.90252
4.48304	3.19375	-09422	.42042	.90242
4.49474	3.19210	-07939	.42359	.90237
4.50410	3.19161	-06178	.42669	.90228
4.51055	3.19142	-04125	.42960	.90208
4.51378	3.19166	-02334	.43114	.90198
4.51426	3.19226	-00695	.43062	.90251
4.51248	3.19308	-00765	.42840	.90355
4.50896	3.19395	-02038	.42489	.90502
4.49875	3.19526	-04053	.41548	.90870
4.48770	3.19496	-03485	.40535	.91252
4.48314	3.19381	-06033	.40085	.91416
4.47991	3.19180	-06486	.39713	.91547
4.47802	3.18877	-07570	.39514	.91550
4.47644	3.18008	-09482	.39771	.91260
4.47583	3.16902	-11044	.40475	.90773
4.47385	3.15697	-12335	.41146	.90304
4.47161	3.15101	-12901	.41332	.90140
4.46814	3.14532	-13412	.41352	.90056
4.46315	3.14007	-13850	.41158	.90079
4.45650	3.13532	-14308	.40807	.90167
4.44840	3.13092	-14797	.40407	.90268
4.44284	3.12254	-15894	.39550	.90461
4.40689	3.11378	-17226	.38741	.90567
4.38434	3.10339	-18877	.38123	.90500
4.37355	3.09724	-19842	.37928	.90376
4.36342	3.09024	-20901	.37833	.90177
4.34319	3.07192	-23644	.37967	.89440
4.32220	3.04918	-25240	.38580	.88739
4.30122	3.02559	-26290	.39416	.88064
4.28341	3.00468	-27036	.40223	.87471
4.26833	2.99003	-27607	.40730	.87057
4.25416	2.97979	-29325	.40861	.86526
4.23760	2.96978	-31070	.40328	.86072

.85605
.85021
.84200

.38892
.38514
.39349

.32871
.34786
.36904

2.95991
2.95020
2.94062

4.21673
4.19763
4.17438

1.65253
1.70178
1.75000

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00164

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00055

MDI NUMBER= 10 NUMBER PTS= 62

-2.00000	4.05158	3.09523	-32798	.37280	.86802
-1.94941	4.06266	3.10925	-31724	.37000	.87319
-1.89883	4.07650	3.12141	-30436	.36330	.88056
-1.84854	4.09298	3.13159	-28899	.35560	.88884
-1.79884	4.11198	3.13971	-27151	.34974	.89664
-1.75000	4.13338	3.14566	-25304	.34856	.90248
-1.72594	4.14596	3.14743	-24584	.35050	.90372
-1.70198	4.16073	3.14811	-23973	.35420	.90392
-1.65391	4.19441	3.14721	-23053	.36510	.90197
-1.60485	4.22957	3.14503	-22174	.37796	.89888
-1.57966	4.24618	3.14412	-21573	.38408	.89774
-1.55386	4.26135	3.14368	-20791	.38941	.89729
-1.52735	4.27446	3.14396	-19815	.39343	.89775
-1.50000	4.28491	3.14523	-18672	.39559	.89924
-1.46796	4.29363	3.14791	-17990	.39605	.90043
-1.42834	4.30205	3.15200	-17509	.39605	.90138
-1.33177	4.31850	3.16309	-16728	.39545	.90313
-1.22102	4.33522	3.17578	-15915	.39493	.90482
-1.10684	4.35319	3.18738	-14848	.39546	.90640
-1.05183	4.36294	3.19192	-14124	.39642	.90714
-1.00000	4.37337	3.19517	-13181	.39801	.90786
-.95015	4.38527	3.19720	-13227	.39928	.90724
-.90021	4.39895	3.19842	-13072	.40051	.90692
-.86016	4.42926	3.19898	-12140	.40302	.90710
-.70000	4.45956	3.19797	-10351	.40578	.90809
-.64993	4.47322	3.19723	-.09122	.40729	.90873
-.59989	4.48509	3.19653	-.07659	.40888	.90937
-.54991	4.49459	3.19601	-.05955	.41052	.90990
-.50000	4.50111	3.19580	-.03999	.41217	.91023
-.45011	4.50438	3.19603	-.02268	.41255	.91065
-.40016	4.50485	3.19663	-.00690	.41081	.91169
-.35018	4.50303	3.19742	-.00712	.40742	.91321
-.30017	4.49945	3.19828	.01935	.40285	.91506
-.20009	4.48906	3.19954	.03898	.39203	.91913
-.10001	4.47782	3.19920	.05365	.38182	.92268
-.04999	4.47317	3.19804	.05963	.37794	.92391
0.00000	4.46985	3.19502	.06483	.37537	.92460
.05001	4.46788	3.19302	.07556	.37513	.92389
.15017	4.46614	3.18447	.09426	.38251	.91913
.25037	4.46536	3.17362	.10947	.39510	.91209
.35045	4.46321	3.16179	.12241	.40703	.90517
.40040	4.46088	3.15591	.12838	.41114	.90249
.45025	4.45733	3.15028	.13402	.41323	.90071
.50000	4.45227	3.14505	.13919	.41275	.90015
.54976	4.44553	3.14030	.14415	.41013	.90056
.59967	4.43733	3.13589	.14929	.40544	.90140
.69976	4.41765	3.12750	.16035	.39720	.90362
.80001	4.39538	3.11869	.17324	.38757	.90541
.90018	4.37266	3.10830	.18908	.37982	.90553
.95015	4.36185	3.10214	.19836	.37729	.90460
1.00000	4.35172	3.09514	.20860	.37600	.90283

.89918
.89193
.88462
.87777
.87249
.86831
.86397
.86005
.85568
.84986
.84606

.37585
.38052
.38915
.39862
.40564
.40648
.40303
.39792
.39261
.38861
.38754

.22408
.24427
.25694
.26574
.27243
.28429
.30185
.31933
.33714
.35597
.36607

3.08675
3.06579
3.04221
3.01954
3.00134
2.98986
2.97989
2.96967
2.95982
2.95013
2.94535

4.34182
4.32121
4.30062
4.28133
4.26464
4.25093
4.23564
4.21830
4.19809
4.17600
4.16416

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00166

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00055

MDI NUMBER- 11 NUMBER PTS- 62

-2.00000 4.04040
-1.94341 4.05144
-1.89883 4.06520
-1.84854 4.08159
-1.79883 4.10052
-1.75000 4.12190
-1.72594 4.13450
-1.70199 4.14931
-1.65392 4.18313
-1.60486 4.21846
-1.57967 4.23515
-1.55387 4.25038
-1.52735 4.26354
-1.50000 4.27400
-1.46795 4.28272
-1.42834 4.29113
-1.33175 4.30752
-1.22100 4.32417
-1.10304 4.34210
-1.05183 4.35185
-1.00000 4.36230
-.95016 4.37426
-.90032 4.38806
-.80017 4.41875
-.70001 4.44949
-.64993 4.46336
-.59989 4.47540
-.54991 4.48502
-.50000 4.49160
-.45011 4.49487
-.40016 4.49530
-.35018 4.49343
-.30017 4.48977
-.20010 4.47920
-.10001 4.46778
-.04999 4.40306
0.00000 4.45970
.05001 4.45770
.15017 4.45583
.25037 4.45490
.35045 4.45260
.40040 4.45020
.45026 4.44660

-32760
-31503
-30072
-28423
-26613
-24804
-24057
-23459
-22685
-22009
-21482
-20736
-19748
-18554
-17906
-17448
-16693
-15895
-14833
-14103
-13141
-13134
-12921
-11877
-10015
-08779
-07340
-05696
-03843
-02172
-00659
-00679
-01845
-03738
-05222
-05861
-06436
-07486
-09303
-10783
-12088
-12720
-13345

.36888
.36829
.35788
.34753
.33911
.33646
.33847
.34268
.35551
.37080
.37807
.38436
.38902
.39137
.39186
.39220
.39275
.39332
.39401
.39445
.39498
.39490
.39477
.39447
.39423
.39417
.39419
.39430
.39453
.39354
.39040
.38568
.37994
.36760
.35739
.35426
.35302
.35473
.36708
.38514
.40219
.40856
.41268

.86983
.87555
.88402
.89355
.90232
.90844
.90971
.90969
.90673
.90226
.90051
.89960
.89981
.90133
.90243
.90318
.90437
.90556
.90706
.90803
.90924
.90929
.90965
.91120
.91354
.91483
.91609
.91721
.91808
.91905
.92062
.92261
.92483
.92923
.93249
.93331
.93340
.93197
.92553
.91654
.90754
.90382
.90105

.50000	4.44150	3.15000	.13951	.41396	.89954
.54976	4.43471	3.14525	.14506	.41257	.89930
.59966	4.42643	3.14083	.15065	.40936	.89985
.69975	4.40650	3.13241	.16202	.39948	.90231
.80000	4.38396	3.12358	.17454	.38813	.90493
.90017	4.36105	3.11317	.18662	.37857	.90594
.95015	4.35015	3.10700	.19847	.37536	.90538
1.00000	4.34000	3.10000	.20826	.37366	.90388
1.05200	4.33013	3.09162	.22333	.37344	.90037
1.16489	4.30972	3.07068	.24309	.37877	.89300
1.27931	4.28942	3.04713	.25563	.38859	.88524
1.38535	4.27042	3.02450	.26450	.39910	.87793
1.46953	4.25393	3.00632	.27161	.40610	.87253
1.52580	4.24028	2.99484	.28424	.40538	.86883
1.57700	4.22507	2.98460	.30198	.40071	.86501
1.62154	4.20754	2.97449	.31929	.39470	.86155
1.67726	4.18774	2.96455	.33651	.38849	.85781
1.72603	4.16572	2.95479	.35421	.38331	.85300
1.75000	4.15390	2.95000	.36349	.38147	.84992

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00168

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00056

MDI NUMBER= 12 NUMBER PTS= 62

-2.00000	4.02897	3.10482	-.32675	.36513	.87173
-1.94941	4.03990	3.11876	-.31226	.36016	.87908
-1.89882	4.05355	3.13070	-.29706	.35280	.88729
-1.84853	4.06985	3.14064	-.28104	.34532	.89542
-1.79882	4.08870	3.14855	-.26467	.33988	.90246
-1.75000	4.11005	3.15441	-.24902	.33870	.90734
-1.72595	4.12267	3.15621	-.24305	.34051	.90828
-1.70200	4.13753	3.15695	-.23799	.34416	.90825
-1.65394	4.17151	3.15625	-.23033	.35524	.90595
-1.60489	4.20703	3.15432	-.22223	.36868	.90260
-1.57369	4.22382	3.15353	-.21616	.37525	.90137
-1.55389	4.23913	3.15318	-.20797	.38110	.90084
-1.52736	4.25235	3.15353	-.19747	.38573	.90123
-1.50000	4.26285	3.15482	-.18491	.38957	.90267
-1.46795	4.27150	3.15750	-.17884	.38984	.90335
-1.42852	4.27999	3.16161	-.17446	.39106	.90368
-1.33174	4.22638	3.17272	-.16709	.39334	.90408
-1.22100	4.31301	3.18546	-.15915	.39500	.90479
-1.10514	4.33090	3.19708	-.14847	.39554	.90637
-1.05123	4.34063	3.20163	-.14103	.39525	.90768
-1.00000	4.35105	3.20488	-.13111	.39455	.90947
-.95015	4.36301	3.20688	-.13036	.39250	.91047
-.90021	4.37686	3.20801	-.12721	.38960	.91215
-.80016	4.40774	3.20826	-.11415	.38216	.91702
-.70000	4.43871	3.20889	-.09340	.37399	.92272
-.64993	4.45268	3.20988	-.08072	.37022	.92543
-.59389	4.46481	3.20515	-.06677	.36702	.92781
-.54351	4.47449	3.20453	-.05165	.36467	.92970
-.50000	4.48100	3.20429	-.03530	.36348	.93093
-.45011	4.48432	3.20451	-.02031	.36259	.93173
-.40016	4.48472	3.20507	-.00656	.36116	.93248
-.35018	4.48231	3.20582	.00593	.35940	.93316
-.30017	4.47911	3.20651	.01723	.35753	.93374
-.20010	4.46846	3.20775	.03659	.35427	.93443
-.10001	4.45700	3.20730	.05218	.35303	.93416

-1.04999	4.45230	3.20610	.05063	.35370	.93352
0.00000	4.44897	3.20407	.06409	.35553	.93246
.05001	4.44701	3.20112	.07369	.35959	.93020
.15017	4.44519	3.19294	.09051	.37555	.92237
.25037	4.44426	3.18264	.10487	.39665	.91196
.35045	4.44194	3.17136	.11850	.41652	.90136
.40040	4.43954	3.16569	.12571	.42408	.89686
.45026	4.43594	3.16021	.13311	.42911	.89339
.50000	4.43084	3.15504	.14066	.43092	.89136
.54976	4.42403	3.15028	.14750	.43919	.89109
.59966	4.41566	3.14585	.15392	.42454	.89223
.69974	4.39543	3.13740	.16558	.40972	.89706
.75959	4.37253	3.12853	.17710	.39263	.90249
.90016	4.34331	3.11808	.19072	.37848	.90575
.95014	4.31632	3.11130	.19607	.37391	.90589
1.00000	4.32813	3.10489	.20802	.37170	.90475
1.05200	4.31829	3.09651	.22261	.37151	.90135
1.16489	4.29810	3.07559	.24184	.37698	.89409
1.27950	4.27814	3.05207	.25415	.38708	.88633
1.38533	4.25948	3.02947	.26305	.39802	.87885
1.46952	4.24321	3.01130	.27070	.40546	.87311
1.52582	4.22961	2.99982	.28439	.40529	.86883
1.57704	4.21445	2.98952	.30205	.40228	.86397
1.62759	4.19698	2.97934	.32089	.39764	.85960
1.67731	4.17721	2.96932	.33831	.39085	.85603
1.72605	4.15516	2.95952	.35479	.38149	.85358
1.75000	4.14328	2.95472	.36257	.37576	.85285

40

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS

.00167

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

.00056

MDI NUMBER- 13 NUMBER PTS- 62

-2.00000	4.01711	3.10976	-3.2488	.36176	.87383
-1.94340	4.02782	3.12366	-3.0946	.35515	.88210
-1.89800	4.04130	3.13554	-2.9401	.34876	.88990
-1.84850	4.05748	3.14540	-2.7863	.34352	.89686
-1.79800	4.07627	3.15324	-2.6368	.34039	.90256
-1.75000	4.09760	3.15907	-2.4993	.34030	.90652
-1.72597	4.11024	3.16087	-2.4511	.34193	.90720
-1.70203	4.12515	3.16164	-2.4081	.34509	.90715
-1.65400	4.15932	3.16101	-2.3323	.35469	.90543
-1.60455	4.19508	3.15917	-2.2401	.36651	.90305
-1.57974	4.21199	3.15842	-2.1728	.37242	.90227
-1.55393	4.22741	3.15810	-2.0850	.37784	.90209
-1.52739	4.24071	3.15848	-1.9752	.38234	.90266
-1.50000	4.25127	3.15978	-1.8452	.38548	.90408
-1.48792	4.26004	3.16247	-1.7880	.38730	.90445
-1.42829	4.26850	3.16657	-1.7459	.38917	.90447
-1.33172	4.28494	3.17770	-1.6730	.39274	.90431
-1.22100	4.30160	3.19044	-1.5927	.39524	.90466
-1.10685	4.31946	3.20208	-1.4833	.39570	.90632
-1.05185	4.32915	3.20663	-1.4064	.39489	.90790
-1.00000	4.33951	3.20988	-1.3029	.39329	.91013
-.95014	4.35140	3.21187	-1.2873	.38983	.91184
-.90019	4.36517	3.21297	-1.2462	.38498	.91447
-.80013	4.39588	3.21313	-1.0957	.37285	.92140
-.69998	4.42670	3.21165	-.08768	.36009	.92879
-.64992	4.44060	3.21069	-.07508	.35439	.93208
-.59968	4.45267	3.20981	-.06174	.34960	.93486

-54991	4.46229	3.20916	-04779	.34609	.93698
-50000	4.46883	3.20891	-03317	.34421	.93831
-45011	4.47205	3.20913	-01944	.34344	.93897
-40017	4.47244	3.20967	-00672	.34303	.93930
-35018	4.47054	3.21041	.00509	.34303	.93931
-30017	4.46688	3.21118	.01603	.34346	.93903
-25010	4.45635	3.21227	.03546	.34575	.93766
-20061	4.44508	3.21178	.05143	.35022	.93525
-04999	4.44048	3.21058	.05791	.35338	.93368
-00000	4.43729	3.20854	.06319	.35723	.93188
.05001	4.43546	3.20561	.07195	.36281	.92908
.15017	4.43392	3.19757	.08759	.36099	.92042
.25037	4.43327	3.18748	.10100	.40401	.90910
.35045	4.43118	3.17641	.11598	.42583	.89734
.40040	4.42886	3.17083	.12367	.43428	.89222
.45026	4.42532	3.16540	.13235	.44001	.88819
.50000	4.42025	3.16024	.14128	.44223	.88571
.54976	4.41341	3.15548	.14952	.44025	.88534
.59965	4.40493	3.15104	.15690	.43453	.88688
.64972	4.38433	3.14253	.16915	.41612	.89344
.69997	4.36097	3.13359	.17992	.39498	.90090
.75014	4.33735	3.12308	.19213	.37770	.90578
.80012	4.32623	3.11688	.19948	.37221	.90646
.85000	4.31599	3.10986	.20778	.36970	.90562
.90000	4.30619	3.10148	.22189	.36955	.90233
.95002	4.28627	3.08057	.24036	.37522	.89518
1.00000	4.26671	3.05706	.25261	.38567	.88738
1.05000	4.24846	3.03446	.26154	.39708	.87973
1.10000	4.23246	3.01630	.26972	.40496	.87365
1.15000	4.21830	3.00480	.28428	.40518	.86892
1.20000	4.20375	2.99448	.30324	.40319	.86342
1.25000	4.18625	2.98426	.32205	.39914	.85847
1.30000	4.16638	2.97422	.34012	.39141	.85505
1.35000	4.14409	2.96443	.35656	.37868	.85409
1.40000	4.12203	2.95964	.36382	.37016	.85476

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00168

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 14 NUMBER PTS= 62

.00057	4.00489	3.11479	-.32225	.35864	.87609
-2.00000	4.01529	3.12868	-.30671	.35104	.88470
-1.94009	4.02856	3.14052	-.29149	.34552	.89199
-1.89877	4.04461	3.15033	-.27686	.34205	.89797
-1.84845	4.06334	3.15813	-.26303	.34066	.90263
-1.79376	4.08465	3.16394	-.25049	.34140	.90593
-1.75000	4.09731	3.16575	-.24600	.34285	.90639
-1.72509	4.11229	3.16652	-.24312	.34559	.90635
-1.70208	4.14667	3.16594	-.23558	.35389	.90513
-1.65408	4.18229	3.15416	-.22540	.36424	.90362
-1.60514	4.19973	3.13343	-.21812	.36953	.90326
-1.57993	4.21528	3.10314	-.20807	.37449	.90340
-1.55100	4.22869	3.16353	-.19753	.37880	.90415
-1.52743	4.23923	3.16485	-.18425	.38208	.90557
-1.50000	4.24817	3.16753	-.17887	.38426	.90573
-1.46749	4.25670	3.17164	-.17400	.38656	.90555
-1.42504	4.27325	3.18277	-.16752	.39101	.90501
-1.38166	4.28907	3.19552	-.15931	.39413	.90514
-1.22009	4.30780	3.20716	-.14795	.39457	.90687

-1.05186	3.21744	3.21171	-1.13992	.39343	.90865
-1.00500	4.32771	3.21497	-1.12906	.39125	.91119
-1.95012	5.32347	3.21635	-1.12600	.38686	.91341
-1.90016	4.32307	3.21803	-1.12160	.38074	.91665
-1.80310	4.32325	3.21814	-1.10507	.36573	.92477
-1.65945	4.41370	3.21660	-1.08270	.35043	.93293
-1.62900	4.42739	3.21562	-1.07038	.34374	.93642
-1.59497	4.43927	3.21472	-1.05771	.33820	.93930
-1.54920	4.44875	3.21406	-1.04481	.33415	.94145
-1.50000	4.45521	3.21380	-1.03161	.33194	.94277
-1.45011	4.45839	3.21401	-1.01891	.33127	.94335
-1.40017	4.45861	3.21455	-1.00704	.33153	.94342
-1.35019	4.45696	3.21527	-1.00415	.33263	.94305
-1.30217	4.45339	3.21604	-1.01473	.33451	.94228
-1.20010	4.44313	3.21710	-1.03399	.34033	.93969
-1.10001	4.43221	3.21658	-1.05012	.34847	.93598
-1.04999	4.42781	3.21537	-1.06663	.35324	.93382
-1.00000	4.42481	3.21334	-1.08183	.35835	.93154
-1.05001	4.42319	3.21042	-1.09882	.36451	.92846
-1.50117	4.42213	3.20247	-1.08401	.38401	.91946
-1.25037	4.42197	3.19253	-1.09817	.40775	.90780
-1.35045	4.42030	3.18161	-1.11320	.43048	.89548
-1.40040	4.41815	3.17609	-1.12180	.43941	.88999
-1.45026	4.41472	3.17069	-1.13126	.44554	.88559
-1.50000	4.40971	3.16556	-1.14143	.44601	.88277
-1.54976	4.40284	3.16079	-1.15109	.44587	.88226
-1.59964	4.39424	3.15632	-1.15948	.43948	.88398
-1.64963	4.38425	3.15202	-1.16655	.43007	.88730
-1.74930	4.36144	3.14336	-1.17778	.40693	.89599
-1.85003	4.33710	3.13339	-1.18798	.38482	.90365
-1.95010	4.31394	3.12192	-1.20021	.37028	.90709
-1.00000	4.30364	3.11489	-1.20755	.36763	.90652
-1.05203	4.29387	3.10850	-1.22114	.36754	.90333
-1.16340	4.27425	3.08559	-1.23923	.37347	.89626
-1.27983	4.25515	3.06208	-1.25102	.38434	.88841
-1.38522	4.23737	3.03948	-1.25937	.39628	.88056
-1.48945	4.22168	3.02131	-1.26868	.40458	.87414
-1.50000	4.21487	3.01497	-1.27461	.40562	.87182
-1.55168	4.20087	3.00461	-1.29361	.40439	.86618
-1.60271	4.18448	2.99433	-1.31314	.40178	.86053
-1.65290	4.16564	2.98421	-1.33257	.39549	.85614
-1.70206	4.14425	2.97431	-1.35086	.38354	.85428
-1.75000	4.12025	2.96469	-1.36661	.36457	.85597

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00169

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00057
MDI NUMBER= 15 NUMBER PTS= 62

-2.00000	3.99238	3.11988	-1.31914	.35567	.87843
-1.94537	4.00241	3.13376	-1.30408	.34762	.88696
-1.89873	4.01544	3.14559	-1.28946	.34292	.89365
-1.84340	4.03135	3.15639	-1.27563	.34083	.89881
-1.79372	4.05002	3.16317	-1.26280	.34073	.90268
-1.75000	4.07131	3.16997	-1.25101	.34207	.90553
-1.72603	4.08400	3.17078	-1.24814	.34334	.90584
-1.70215	4.09304	3.17156	-1.24494	.34571	.90581
-1.65418	4.12364	3.17100	-1.23736	.35283	.90508
-1.60515	4.16996	3.16925	-1.22634	.36184	.90435
-1.57593	4.18715	3.16853	-1.21860	.36652	.90436

-1.55408	4.20283	3.16825	-2.0899	.37102	.90480
-1.52747	4.21637	3.16865	-1.19742	.37506	.90574
-1.50000	4.22711	3.16997	-1.18403	.37834	.90719
-1.46765	4.23604	3.17266	-1.17836	.38070	.90722
-1.42818	4.24464	3.17677	-1.17502	.38323	.90692
-1.33163	4.26135	3.18791	-1.16772	.38819	.90619
-1.22099	4.27815	3.20065	-1.15925	.39171	.90620
-1.10689	4.29596	3.21229	-1.14738	.39221	.90799
-1.05188	4.30554	3.21684	-1.13894	.39091	.90988
-1.00000	4.31571	3.22010	-1.12750	.38842	.91262
-.95009	4.32730	3.22208	-1.12411	.38354	.91515
-.90012	4.34066	3.22316	-1.11831	.37675	.91873
-.80005	4.37030	3.22326	-1.10075	.36027	.92739
-.69992	4.39996	3.22171	-1.07834	.34381	.93576
-.64988	4.41333	3.22072	-1.06642	.33674	.93925
-.59986	4.42494	3.21981	-1.05442	.33092	.94209
-.54950	4.43421	3.21915	-1.04246	.32668	.94418
-.50000	4.44055	3.21889	-1.03045	.32434	.94545
-.45011	4.44370	3.21910	-1.01884	.32377	.94595
-.40007	4.44414	3.21964	-1.00751	.32447	.94587
-.35019	4.44239	3.22035	-1.00313	.32629	.94527
-.30018	4.43895	3.22111	-1.01333	.32909	.94421
-.20010	4.42907	3.22216	-1.02227	.33712	.94091
-.10001	4.41862	3.22163	-1.04841	.34752	.93642
-.04999	4.41447	3.22042	-1.05494	.35322	.93393
-.00000	4.41171	3.21838	-1.06015	.35902	.93139
.05001	4.41035	3.21548	-1.06745	.36585	.92823
.10017	4.40992	3.20758	-1.08116	.38496	.91936
.20037	4.41041	3.19773	-1.09476	.40823	.90795
.35045	4.40932	3.18689	-1.11040	.43068	.89573
.40040	4.40739	3.18140	-1.11961	.43961	.89019
.45026	4.40412	3.17604	-1.12992	.44579	.88566
.50000	4.39919	3.17091	-1.14116	.44833	.88265
.54975	4.39229	3.16613	-1.15214	.44612	.88195
.59963	4.39355	3.16164	-1.16151	.43946	.88362
.64961	4.37335	3.15731	-1.16920	.42966	.88700
.74976	4.34997	3.14857	-1.18073	.40567	.89597
.84998	4.32504	3.13883	-1.19022	.38293	.90398
.95007	4.30148	3.12699	-1.20099	.36812	.90780
1.00100	4.29111	3.11995	-1.20731	.36548	.90744
1.05206	4.28138	3.11156	-1.22037	.36547	.90436
1.10491	4.26208	3.09054	-1.23786	.37172	.89736
1.20779	4.24250	3.06712	-1.24938	.38308	.88941
1.36513	4.22623	3.04351	-1.25842	.39560	.88134
1.46839	4.21028	3.02632	-1.26759	.40433	.87459
1.50000	4.20412	3.01998	-1.27434	.40538	.87201
1.55181	4.19008	3.00960	-1.29338	.40412	.86638
1.60293	4.17357	2.99334	-1.31343	.40098	.86080
1.65314	4.15448	2.99926	-1.33378	.39361	.85654
1.70224	4.13258	2.97941	-1.35327	.38002	.85486
1.75000	4.10806	2.96984	-1.37033	.35894	.85675

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00170

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
00058

MDI NUMBER= 10 NUMBER PTS= 63

-2.00000	3.97966
-1.94935	3.13888
-1.89809	3.15072

.35275	.88081
.34478	.88890
.34086	.89496

-1.03334	3.16053	-1.27484	.33981	.89944
-1.17507	3.16832	-1.26274	.34063	.90274
-1.75000	3.17412	-1.25140	.34236	.90531
-1.72626	3.17593	-1.24916	.34347	.90551
-1.70221	3.17670	-1.24679	.34548	.90553
-1.65340	3.17614	-1.23858	.35153	.90527
-1.50527	3.17439	-1.22578	.35926	.90526
-1.58064	3.17368	-1.21857	.36336	.90562
-1.55416	3.17340	-1.20879	.36736	.90634
-1.52752	3.17380	-1.19711	.37105	.90745
-1.50000	3.17513	-1.18374	.37422	.90896
-1.46760	3.17782	-1.17901	.37659	.90892
-1.42612	3.18193	-1.17519	.37918	.90859
-1.33158	3.19306	-1.16785	.38432	.90781
-1.22058	3.20580	-1.15909	.38802	.90782
-1.10592	3.21743	-1.14604	.38863	.90965
-1.05150	3.22198	-1.13776	.38732	.91159
-1.00000	3.22524	-1.12573	.38478	.91440
-1.95006	3.22723	-1.12141	.37982	.91706
-1.90007	3.22832	-1.11492	.37288	.92073
-1.80000	3.22844	-1.09670	.35613	.92942
-1.69989	3.22591	-1.07457	.33958	.93762
-1.64985	3.22593	-1.06310	.33253	.94098
-1.59565	3.22503	-1.05175	.32675	.94369
-1.54959	3.22437	-1.04060	.32255	.94568
-1.50000	3.22412	-1.02959	.32022	.94688
-1.45011	3.22433	-1.01856	.31975	.94732
-1.40017	3.22486	-1.00808	.32074	.94713
-1.35019	3.22558	-1.00205	.32200	.94640
-1.30018	3.22634	-1.01187	.32635	.94517
-1.20010	3.22739	-1.03042	.33564	.94150
-1.10001	3.22686	-1.04647	.34720	.93664
-1.04939	3.22565	-1.05302	.35332	.93400
0.00000	3.22361	-1.05830	.35933	.93139
.05001	3.22071	-1.06503	.36605	.92832
.15016	3.21283	-1.07805	.38405	.92001
.25037	3.20301	-1.09160	.40564	.90943
.35045	3.19219	-1.10779	.42656	.89801
.45026	3.18672	-1.11751	.43494	.89276
.55000	3.18135	-1.12846	.44078	.88838
.65075	3.17623	-1.14050	.44320	.88535
.75075	3.17144	-1.15259	.44102	.88443
.85062	3.16694	-1.16281	.43451	.88583
.94958	3.16258	-1.17111	.42497	.88889
.74971	3.15378	-1.18313	.40173	.89726
.84952	3.14397	-1.19223	.37985	.90486
.90001	3.13835	-1.19679	.37146	.90735
.95004	3.13209	-1.20171	.36570	.90861
1.00000	3.12504	-1.20705	.36323	.90840
1.05208	3.11664	-1.21957	.36331	.90542
1.16492	3.109571	-1.23643	.36995	.89847
1.27574	3.07218	-1.24766	.38189	.89041
1.38504	3.04955	-1.25661	.35505	.88209
1.46933	3.03134	-1.26645	.40420	.87500
1.50000	3.02498	-1.27406	.40524	.87217
1.55195	3.01459	-1.29324	.40350	.86672
1.60317	3.00437	-1.31374	.39912	.86155
1.65341	2.99434	-1.33469	.39021	.85766
1.70243	2.98455	-1.35559	.37523	.85601
1.75000	2.97504	-1.37441	.35321	.85738

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00171

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 17 NUMBER PTS= 63

-2.00000	3.96680	3.13012	-3.1252	.34978	.88317
-1.94334	3.97601	3.14401	-2.2945	.34241	.89055
-1.89365	3.96851	3.15588	-2.28659	.33927	.89597
-1.84829	4.00410	3.16572	-2.27436	.33898	.89980
-1.79862	4.02562	3.17354	-2.26281	.34037	.90282
-1.75000	4.04389	3.17934	-2.25164	.34230	.90527
-1.72610	4.05662	3.18114	-2.24984	.34324	.90541
-1.70228	4.07181	3.18191	-2.24719	.34492	.90550
-1.65441	4.10690	3.18133	-2.23920	.34936	.90571
-1.60539	4.14384	3.17955	-2.22668	.35648	.90639
-1.58015	4.16135	3.17883	-2.21824	.35998	.90708
-1.55425	4.17733	3.17855	-2.20819	.36345	.90805
-1.52758	4.19113	3.17895	-2.19650	.36673	.90934
-1.50000	4.20209	3.18027	-2.18329	.36966	.91031
-1.46776	4.21120	3.18297	-2.17892	.37189	.91087
-1.42806	4.22000	3.18708	-2.17524	.37437	.91057
-1.33153	4.23706	3.19820	-2.16787	.37936	.90989
-1.22097	4.25408	3.21093	-2.15880	.38305	.90997
-1.10684	4.27189	3.22256	-2.14577	.38381	.91183
-1.05193	4.28134	3.22711	-2.13644	.38266	.91376
-1.00000	4.29130	3.23037	-2.12382	.38032	.91653
-95004	4.30249	3.23236	-2.11864	.37564	.91914
-90003	4.31525	3.23346	-2.11158	.36906	.92269
-79995	4.34330	3.23363	-2.09303	.35309	.93095
-69985	4.37119	3.23214	-2.07141	.33735	.93867
-64983	4.38375	3.23119	-2.06043	.33065	.94182
-59984	4.39467	3.23031	-2.04967	.32518	.94435
-54969	4.40343	3.22966	-2.03922	.32120	.94620
-50000	4.40949	3.22541	-2.02900	.31900	.94731
-45011	4.41258	3.22962	-2.01863	.31864	.94769
-40018	4.41311	3.23016	-2.00870	.31982	.94744
-35019	4.41158	3.23089	-2.00097	.32231	.94663
-30018	4.40647	3.23165	-2.01045	.32591	.94534
-20010	4.39950	3.23271	-2.02855	.33568	.94154
-10001	4.39014	3.23219	-2.04445	.34746	.93664
-04999	4.38654	3.23098	-2.05104	.35351	.93404
0.00000	4.38431	3.22895	-2.05645	.35930	.93151
05001	4.38355	3.22604	-2.06274	.36550	.92870
15016	4.38459	3.21815	-2.07530	.38136	.92135
25037	4.38671	3.20829	-2.08893	.40003	.91218
35045	4.39706	3.19744	-2.10559	.41811	.90224
45040	4.38569	3.19195	-2.11564	.42538	.89760
45026	4.38281	3.18658	-2.12698	.43045	.89364
50000	4.37807	3.18145	-2.13448	.43253	.89076
54975	4.37111	3.17666	-2.15233	.43052	.88963
59961	4.36309	3.17215	-2.16320	.42462	.89054
64956	4.35143	3.16778	-2.17202	.41600	.89295
74356	4.32683	3.15894	-2.18471	.39513	.89986
84947	4.30064	3.14909	-2.19378	.37559	.90630
89956	4.28000	3.14345	-2.19799	.36814	.90845
95001	4.27621	3.13717	-2.20231	.36303	.90955
1.00000	4.25570	3.13011	-2.20678	.36085	.90941
1.05210	4.25606	3.12171	-2.1874	.36105	.90653
1.15493	4.23747	3.10077	-2.3495	.36813	.89960
1.27969	4.21999	3.07723	-2.4587	.38075	.89139

.88281
.87537
.87228
.86715
.86273
.85947
.85780
.85805

.39462
.40418
.40517
.40251
.39620
.38532
.36917
.34735

.25482
.26527
.27379
.29331
.31420
.33591
.35761
.37827

3.05459
3.03636
3.02998
3.01959
3.00939
2.99941
2.98938
2.98023

4.20384
4.18923
4.18258
4.16841
4.15150
4.13170
4.10886
4.08284

1.36435
1.48927
1.50000
1.55210
1.60341
1.65367
1.70262
1.75000

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00172

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00059

MDI NUMBER= 18 NUMBER PTS= 64

.88544
.88892
.89451
.89860
.90165
.90417
.90540
.90553
.90573
.90642
.90776
.90875
.90998
.91144
.91309
.91310
.91289
.91243
.91267
.91453
.91637
.91900
.92139
.92460
.93205
.93899
.94183
.94412
.94580
.94681
.94713
.94685
.94603
.94475
.94106
.93642
.93402
.93175
.92934
.92337
.91611
.90827
.90454
.90127
.89872
.89739

.34668
.34299
.33887
.33795
.33902
.34895
.34190
.34267
.34402
.34810
.35342
.35632
.35922
.36202
.36459
.36655
.36875
.37329
.37677
.37773
.37687
.37496
.37094
.36517
.35102
.33696
.33096
.32605
.32448
.32052
.32029
.32155
.32408
.32767
.33717
.34828
.35381
.35894
.36418
.37688
.39137
.40525
.41080
.41466
.41622
.41452

-.30953
-.30360
-.29159
-.27983
-.26849
-.25736
-.25172
-.25019
-.24760
-.23921
-.22597
-.21727
-.20710
-.19550
-.18259
-.17861
-.17509
-.16772
-.15837
-.14477
-.13502
-.12186
-.11591
-.10843
-.08988
-.06896
-.05846
-.04822
-.03832
-.02871
-.01884
-.00934
-.00002
.00916
.02682
.04254
.04917
.05475
.06075
.07314
.08703
.10404
.11420
.12559
.13809
.15124

3.13521
3.14241
3.15532
3.16622
3.17509
3.18193
3.18459
3.18638
3.18713
3.18651
3.18469
3.18395
3.18365
3.18404
3.18537
3.18807
3.19218
3.20329
3.21602
3.22763
3.23218
3.23544
3.23744
3.23856
3.23878
3.23737
3.23644
3.23559
3.23496
3.23471
3.23493
3.23547
3.23820
3.23698
3.23806
3.23757
3.23636
3.23433
3.23141
3.22345
3.21350
3.20256
3.19704
3.19165
3.18651
3.18172

3.95387
3.95785
3.96840
3.98225
3.99919
4.01905
4.03001
4.04277
4.05804
4.09337
4.13063
4.14831
4.16444
4.17837
4.18943
4.19863
4.20752
4.22475
4.24190
4.25971
4.26911
4.27897
4.28998
4.30243
4.32966
4.35664
4.36878
4.37935
4.38785
4.39377
4.39683
4.39741
4.39599
4.39305
4.38452
4.37568
4.37234
4.37036
4.36988
4.37188
4.37467
4.37581
4.37474
4.37207
4.36743
4.36044

-2.00000
-1.97469
-1.92395
-1.87335
-1.82329
-1.77413
-1.75000
-1.72613
-1.70234
-1.65451
-1.60550
-1.58025
-1.55433
-1.52762
-1.50000
-1.46772
-1.42800
-1.33148
-1.22096
-1.10637
-1.05195
-1.00000
-.95001
-.89999
-.79990
-.69982
-.64980
-.59982
-.54989
-.50000
-.45012
-.40018
-.35020
-.30018
-.20010
-.10001
-.04999
0.00000
0.00001
0.0016
0.05037
0.35045
0.40040
0.45026
0.50000
0.54974

.59959
.64954
.74961
.84981
.94991
1.00000
1.05213
1.16493
1.27964
1.38487
1.48922
1.50000
1.52223
1.60363
1.65392
1.70280
1.75000

4.35127
4.34037
4.31516
4.28835
4.27546
4.26349
4.25290
4.24331
4.22509
4.20819
4.19262
4.17840
4.17180
4.15753
4.14035
4.12012
4.09672
4.07002

3.17721
3.17284
3.16400
3.15415
3.14852
3.14223
3.13517
3.12676
3.10582
3.08228
3.05963
3.04136
3.03499
3.02458
3.01440
3.00445
2.99477
2.98537

.40969
.40270
.38586
.37016
.36418
.36008
.35833
.35865
.36626
.37965
.39429
.40428
.40519
.40114
.39219
.37891
.36183
.34132

.89764
.89909
.90378
.90834
.90987
.91064
.91048
.90769
.90078
.89238
.88349
.87569
.87235
.86764
.86428
.86195
.86031
.85910

NEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00173

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MOI NUMBER= 19 NUMBER PTS= 66

.00060
-2.00000
-1.97469
-1.93393
-1.87332
-1.82324
-1.77410
-1.75000
-1.72616
-1.70239
-1.67858
-1.63030
-1.60559
-1.58033
-1.55460
-1.52766
-1.50000
-1.46769
-1.42795
-1.33144
-1.22096
-1.10698
-1.05196
-1.00000
-.94999
-.89996
-.79986
-.69979
-.64979
-.59961
-.54988
-.50000
-.45012
-.40018
-.35020
-.30019
-.20010

3.94095
3.94475
3.95501
3.96863
3.98543
4.00522
4.01617
4.02896
4.04430
4.06150
4.08766
4.11746
4.13529
4.15157
4.16562
4.17676
4.18604
4.19501
4.21240
4.22965
4.24749
4.26686
4.28663
4.27748
4.26966
4.26166
4.24232
4.22408
4.20433
4.18259
4.15843
4.13205
4.10373
4.07292
4.03977

3.14024
3.14745
3.16039
3.17134
3.18028
3.18715
3.18981
3.19159
3.19233
3.19227
3.19074
3.18977
3.18900
3.18868
3.18906
3.19038
3.19308
3.19719
3.20830
3.22101
3.23262
3.23717
3.24042
3.24244
3.24358
3.24386
3.24252
3.24163
3.24080
3.24019
3.23996
3.24017
3.24073
3.24147
3.24226
3.24337

.30709
-.30165
-.29055
-.27948
-.26850
-.25738
-.25161
-.25017
-.24751
-.24365
-.23222
-.22459
-.21565
-.20544
-.19402
-.18154
-.17800
-.17468
-.16736
-.15778
-.14367
-.13355
-.11993
-.11336
-.10562
-.08739
-.06735
-.05731
-.04751
-.03800
-.02874
-.01918
-.00992
-.00083
-.00813
-.02541

.88758
.89048
.89526
.89893
.90185
.90441
.90571
.90588
.90622
.90673
.90832
.90941
.91070
.91217
.91380
.91554
.91563
.91557
.91543
.91590
.91773
.91943
.92180
.92384
.92651
.92772
.92858
.92947
.92997
.93042
.93084
.93133
.93177
.93272
.93343
.93351
.93397
.93442
.93495
.93557
.93528
.93451
.93432
.93400

.93597
.93395
.93210
.93027
.92605
.92117
.91593
.91336
.91098
.90890
.90742
.90692
.90718
.90899
.91101
.91166
.91189
.91161
.90892
.90569
.89783
.88874
.87983
.87596
.87236
.86813
.86616
.86508
.86364
.86078

.34970
.35422
.35824
.36207
.37051
.37950
.38779
.39105
.39326
.39410
.39286
.38961
.38497
.37385
.36351
.35958
.35683
.35562
.35610
.35919
.37097
.38652
.40038
.40449
.40528
.39937
.38708
.37095
.35313
.33505

.04091
.04758
.05335
.05926
.07182
.08616
.10337
.11337
.12437
.13633
.14916
.16032
.16978
.18430
.19472
.19897
.20278
.20616
.21693
.22518
.23725
.24648
.25612
.26283
.27338
.29470
.31614
.33768
.35976
.38314

3.24290
3.24171
3.23958
3.23675
3.23869
3.21859
3.20750
3.20192
3.19648
3.19133
3.18655
3.18205
3.17771
3.16892
3.15913
3.15352
3.14725
3.14018
3.13177
3.12185
3.09917
3.07564
3.05475
3.04639
3.03999
3.02957
3.01938
3.00944
2.99978
2.99041

4.35136
4.35823
4.36416
4.36632
4.35874
4.36256
4.35446
4.36369
4.35123
4.35666
4.34966
4.34035
4.32923
4.30344
4.27603
4.26290
4.25077
4.24011
4.23056
4.22144
4.20438
4.18874
4.17435
4.16757
4.16103
4.14664
4.12915
4.10846
4.08451
4.05720

-1.0091
-0.0499
-0.0000
-0.0501
-1.5916
-2.5037
-3.5045
-4.0040
-4.5026
-5.0000
-5.4374
-5.9058
-6.4332
-7.0958
-8.8977
-9.9996
1.00300
1.05215
1.10760
1.22275
1.33410
1.43030
1.46917
1.50000
1.55234
1.60381
1.65412
1.70295
1.75000

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00174

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00061

MDI NUMBER= 20 NUMBER PTS= 67

-2.00000
-1.97468
-1.92391
-1.87329
-1.82321
-1.77409
-1.75000
-1.72518
-1.70243
-1.67063
-1.63037
-1.60566
-1.58039
-1.55444
-1.52769
-1.50000
-1.46766
-1.42792
-1.38206
-1.27727
-1.16376
-1.05197
-1.00000
-.94998

3.14518
3.15239
3.16537
3.17639
3.18539
3.19230
3.19496
3.19674
3.19745
3.19736
3.19575
3.19475
3.19395
3.19360
3.19395
3.19527
3.19797
3.20208
3.20726
3.21950
3.23199
3.24203
3.24529
3.24731

-.30544
-.30030
-.28985
-.27925
-.26845
-.25720
-.25128
-.24975
-.24688
-.24269
-.23044
-.22246
-.21332
-.20311
-.19196
-.18004
-.17700
-.17392
-.17056
-.16228
-.15054
-.13206
-.11808
-.11108

.33973
.33841
.33707
.33707
.33798
.33934
.34005
.34045
.34116
.34214
.34473
.34625
.34785
.34948
.35107
.35257
.35354
.35475
.35609
.35881
.36090
.36160
.36124
.35956

.88954
.89180
.89575
.89911
.90206
.90482
.90621
.90648
.90700
.90777
.90998
.91138
.91296
.91466
.91646
.91830
.91852
.91864
.91875
.91919
.92038
.92293
.92497
.92649

- .89993	4.27703	3.24847	- .10328	35684	.92844
- .79964	4.30294	3.24881	- .08572	.34960	.93297
- .69977	4.32844	3.24755	- .06675	.34196	.93734
- .64977	4.33990	3.24669	- .05717	.33862	.93919
- .59981	4.34990	3.24590	- .04770	.33586	.94070
- .54988	4.35798	3.24530	- .03838	.33388	.94183
- .50000	4.36369	3.24507	- .02919	.33287	.94252
- .45012	4.36671	3.24529	- .01963	.33298	.94273
- .40018	4.36737	3.24586	- .01038	.33211	.94248
- .35020	4.36611	3.24661	- .00133	.33608	.94183
- .25015	4.35971	3.24812	.01618	.34176	.93965
- .15005	4.35124	3.24863	.03240	.34851	.93675
- .10001	4.34739	3.24814	.03975	.35180	.93523
- .04999	4.34442	3.24695	.04643	.35475	.93381
.00000	4.34278	3.24492	.05241	.35717	.93257
.05001	4.34273	3.24197	.05843	.35906	.93148
.10007	4.34389	3.23821	.06479	.36067	.93044
.20027	4.34817	3.22882	.07881	.36319	.92837
.30044	4.35220	3.21788	.09488	.36492	.92619
.35045	4.35305	3.21218	.10378	.36550	.92501
.40040	4.35255	3.20651	.11328	.36587	.92374
.45026	4.35029	3.20102	.12341	.36604	.92238
.50000	4.34582	3.19585	.13416	.36598	.92090
.54974	4.33876	3.19108	.14595	.36540	.91934
.59958	4.32932	3.18662	.15657	.36424	.91805
.64950	4.31799	3.18232	.16604	.36268	.91700
.74955	4.29167	3.17366	.18173	.35902	.91547
.84974	4.26371	3.16399	.19368	.35559	.91435
.89965	4.25036	3.15843	.19845	.35424	.91386
.94994	4.23808	3.15219	.20249	.35325	.91335
1.00000	4.22736	3.14513	.20580	.35272	.91282
1.05216	4.21785	3.13672	.21595	.35337	.91022
1.10761	4.20889	3.12680	.22378	.35675	.90700
1.22274	4.19232	3.10414	.23532	.36941	.89898
1.33406	4.17727	3.08064	.24436	.38597	.88956
1.43025	4.16338	3.05976	.25433	.40058	.88026
1.46914	4.15674	3.05140	.26158	.40481	.87619
1.50000	4.15026	3.04500	.27328	.40544	.87232
1.55241	4.13574	3.03455	.29630	.39718	.86859
1.60394	4.11789	3.02432	.31786	.38081	.86630
1.65426	4.09673	3.01435	.33842	.36139	.86883
1.70305	4.07226	3.00466	.35941	.34296	.86787
1.75000	4.04450	2.99531	.38304	.32846	.86336

WEED---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00175

WEED---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 21 NUMBER PTS= 66

.00062	3.91540
-2.00000	3.15000
-1.94930	3.16396
-1.89855	3.17603
-1.84815	3.18611
-1.79850	3.19412
-1.75000	3.20000
-1.70244	3.20177
-1.67865	3.20246
-1.63039	3.20233
-1.60568	3.20054
	3.19959

- .30480	33570	.89129
- .29459	.33654	.89440
- .28432	.33696	.89756
- .27372	.33726	.90074
- .26257	.33770	.90389
- .25069	.33854	.90694
- .24890	.33873	.90736
- .24567	.33911	.90810
- .24104	.33964	.90914
- .22764	.34110	.91200
- .21949	.34196	.91372

-1.58041	4.10968	3.19874	-2.21016	.34285	.91558
-1.55446	4.12621	3.19836	-2.0001	.34374	.91752
-1.52770	4.14045	3.19869	-1.8322	.34459	.91949
-1.50000	4.15173	3.20000	-1.7738	.34537	.92144
-1.46766	4.16105	3.20270	-1.7554	.34563	.92181
-1.42790	4.17011	3.20681	-1.7276	.34611	.92215
-1.38205	4.17897	3.21199	-1.6955	.34675	.92251
-1.27727	4.19640	3.22422	-1.6133	.34837	.92337
-1.16376	4.21399	3.23671	-1.4941	.35018	.92469
-1.05198	4.23239	3.24674	-1.3057	.35190	.92689
-1.00000	4.24210	3.25000	-1.1635	.35264	.92850
-94397	4.25276	3.25203	-1.0315	.35265	.92937
-89993	4.26462	3.25320	-1.0152	.35218	.93041
-79983	4.29018	3.25360	-0.8508	.35032	.93276
-69977	4.31527	3.25240	-0.6743	.34801	.93506
-64377	4.32654	3.25158	-0.5831	.34697	.93606
-59980	4.33638	3.25080	-0.4906	.34613	.93690
-54988	4.34434	3.25023	-0.3970	.34560	.93754
-50000	4.35000	3.25000	-0.3019	.34547	.93794
-45012	4.35302	3.25022	-0.2023	.34585	.93807
-40018	4.35369	3.25080	-0.1063	.34670	.93792
-35020	4.35246	3.25157	-0.0136	.34790	.93753
-25015	4.34615	3.25312	.01618	.35083	.93630
-15005	4.33779	3.25367	.03206	.35367	.93482
-10001	4.33400	3.25320	.03926	.35475	.93414
-04999	4.33108	3.25202	.04592	.35545	.93357
0.00000	4.32950	3.25000	.05206	.35563	.93318
.05001	4.32955	3.24702	.05844	.35500	.93304
.10007	4.33090	3.24319	.06527	.35345	.93317
.20027	4.33575	3.23357	.08036	.34825	.93395
.30044	4.34042	3.22236	.09689	.34145	.93489
.35045	4.34156	3.21653	.10544	.33804	.93521
.40040	4.34131	3.21076	.11405	.33504	.93528
.45026	4.33920	3.20520	.12271	.33282	.93497
.50000	4.33480	3.20000	.13150	.33173	.93416
.54974	4.32770	3.19525	.14142	.33199	.93262
.59958	4.31814	3.19084	.15096	.33343	.93081
.64950	4.30663	3.18663	.16016	.33567	.92826
.74954	4.27984	3.17817	.17718	.34121	.92314
.84973	4.25142	3.16871	.19135	.34631	.91840
.89984	4.23788	3.16322	.19705	.34815	.91649
.94993	4.22547	3.15703	.20172	.34930	.91504
1.00000	4.21470	3.15000	.20539	.34957	.91412
1.05216	4.20526	3.14159	.21490	.35042	.91161
1.10762	4.19643	3.13168	.22229	.35415	.90839
1.22273	4.18033	3.10906	.23329	.36781	.90016
1.33404	4.16584	3.08559	.24215	.38548	.89038
1.43024	4.15242	3.06475	.25246	.40088	.88066
1.46913	4.14593	3.05640	.26031	.40524	.87637
1.50000	4.13950	3.05000	.27327	.40568	.87221
1.55244	4.12482	3.03951	.29870	.39452	.86899
1.60398	4.10659	3.02920	.32026	.37334	.87066
1.65431	4.08495	3.01914	.33907	.35012	.87318
1.70309	4.06004	3.00938	.35783	.33117	.87309
1.75000	4.03200	3.00000	.38055	.32139	.86712

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00176

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00063

MDI NUMBER= 22 NUMBER PTS= 66

3.90254	3.15483	- .30520	.33341	.89201
3.91065	3.16881	- .29465	.33654	.89438
3.92207	3.18090	- .28426	.33774	.89729
3.93675	3.19103	- .27355	.33781	.90059
3.95463	3.19908	- .26225	.33754	.90404
3.96476	3.20230	- .25634	.33752	.90574
3.97566	3.20497	- .25026	.33771	.90737
3.98852	3.20673	- .24804	.33751	.90805
4.00404	3.20740	- .24410	.33717	.90925
4.02152	3.20725	- .23851	.33675	.91088
4.05950	3.20548	- .23232	.33583	.91509
4.07857	3.20439	- .21411	.33539	.91743
4.09676	3.20351	- .20442	.33501	.91977
4.11335	3.20310	- .19445	.33475	.92203
4.12762	3.20342	- .18446	.33463	.92412
4.13888	3.20472	- .17459	.33473	.92600
4.14822	3.20741	- .17321	.33463	.92629
4.15749	3.21152	- .17103	.33491	.92660
4.17493	3.22262	- .16464	.33637	.92723
4.19243	3.23532	- .15501	.33873	.92803
4.21042	3.24691	- .14018	.34167	.92931
4.21980	3.25145	- .12947	.34326	.93027
4.22953	3.25471	- .11511	.34866	.93157
4.24019	3.25674	- .10777	.34599	.93203
4.26459	3.25842	- .09249	.34781	.93299
4.29020	3.25791	- .07626	.34925	.93392
4.31359	3.25641	- .05900	.35053	.93469
4.32337	3.25565	- .04595	.35118	.93497
4.33150	3.25508	- .04060	.35187	.93517
4.33696	3.25486	- .03093	.35264	.93525
4.33999	3.25509	- .02066	.35342	.93524
4.34067	3.25567	- .01078	.35415	.93513
4.33944	3.25646	- .00131	.35479	.93494
4.33313	3.25804	.01630	.35572	.93445
4.32476	3.25862	.03205	.35599	.93394
4.32096	3.25816	.03921	.35582	.93373
4.31803	3.25699	.04591	.35542	.93358
4.31643	3.25497	.05218	.35475	.93350
4.31651	3.25197	.05885	.35357	.93356
4.31796	3.24808	.06594	.35174	.93377
4.32315	3.23825	.08129	.34671	.93444
4.32825	3.22679	.09773	.34082	.93504
4.32959	3.22086	.10615	.33799	.93514
4.32949	3.21499	.11459	.33551	.93504
4.32750	3.20937	.12306	.33361	.93465
4.32313	3.20415	.13160	.33250	.93388
4.31599	3.19942	.14115	.33261	.93244
4.30634	3.19507	.15043	.33409	.93046
4.29471	3.19094	.15950	.33657	.92805
4.27660	3.18271	.17664	.34309	.92254
4.23886	3.17347	.19130	.34964	.91715
4.22520	3.16807	.19726	.35226	.91488
4.21272	3.16194	.20218	.35414	.91308
4.20193	3.15493	.20603	.35503	.91187
4.19254	3.14653	.21475	.35573	.90958
4.18384	3.13662	.22149	.35798	.90708
4.16813	3.11403	.23162	.36367	.90146
4.15410	3.09059	.24003	.37514	.89535
4.14106	3.06978	.25002	.38296	.88928
4.13469	3.05143	.25762	.38494	.88628

..88264
..87734
..87533
..87436
..87224
..86673

38463
37639
36151
34484
33051
32184

27020
29756
32112
34144
36050
38103

3. 05501
3. 04451
3. 03411
3. 02393
3. 01408
3. 00466

4. 12830
4. 11348
4. 09493
4. 07283
4. 04764
4. 01943

1.55000
1.55244
1.60399
1.65432
1.70310
1.75000

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00175

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00063
WDI NUMBER= 23 NUMBER PTS= 67

89262
89459
89734
90067
90429
90607
90775
90870
91029
91240
91759
92033
92296
92537
92748
92826
92947
92974
93031
93100
93208
93287
93397
93416
93424
93404
93369
93349
93329
93329
93310
93297
93290
93288
93299
93326
93342
93360
93377
93396
93423
93482
93516
93513
93490
93445
93371
93329
93050

33075	33568	33771	33789	33730	33706	33704	33655	33567	33452	33182	33046	32919	32812	32812	33075	33433	33639	33856	34046	34457	34888	35305	35497	35671	35822	35933	35997	36018	35951	35775	35661	35534	35402	35241	35038	34549	34027	33785	33572	33403	33290	33289	33249
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

30634	29500	28414	27316	26172	25580	24978	24697	24229	23584	21891	20927	19944	18979	18058	17193	17145	16976	16386	15342	13958	12881	11435	10696	98204	97653	95989	95098	94160	93171	92107	91086	90114	89114	88166	87346	86415	85247	85936	86663	88214	89848	91677	93508	95158	96813	98476	100244	102024	103814	105614	107424	109244	111074	112914	114764	116624	118494	120374	122264	124164	126074	127994	129924	131864	133814	135774	137744	139724	141714	143714	145724	147744	149774	151814	153864	155924	157994	160074	162164	164264	166374	168494	170624	172764	174914	177074	179244	181424	183614	185814	188024	190244	192474	194714	196964	199224	201494	203774	206064	208364	210674	212994	215324	217664	219994	222334	224684	227044	229414	231794	234184	236584	238994	241414	243844	246284	248734	251194	253664	256144	258634	261134	263644	266164	268694	271234	273784	276344	278914	281494	284084	286684	289294	291914	294544	297184	299834	302494	305164	307844	310534	313234	315944	318664	321394	324134	326884	329644	332414	335194	337984	340784	343594	346414	349244	352084	354934	357794	360664	363544	366434	369334	372244	375164	378094	381034	383984	386944	389914	392894	395884	398884	401894	404914	407944	410984	414034	417094	420164	423244	426334	429434	432544	435664	438794	441934	445084	448244	451414	454594	457784	460984	464194	467414	470644	473884	477134	480394	483664	486944	490234	493534	496844	500164	503494	506834	510184	513544	516914	520294	523684	527084	530494	533914	537344	540784	544234	547694	551164	554644	558134	561634	565144	568664	572194	575734	579284	582844	586414	590
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	-----

3.15979
3.17377
3.18587
3.19600
3.20405
3.20728
3.20996
3.21171
3.21238
3.21221
3.21041
3.20930
3.20844
3.20797
3.20827
3.20957
3.21227
3.21637
3.22748
3.24018
3.25178
3.25632
3.25958
3.26161
3.26333
3.26282
3.26134
3.26059
3.26003
3.25981
3.26333
3.26360
3.26310
3.26142
3.25996
3.25694
3.21956
3.25307
3.24307
3.23148
3.22547
3.25694
3.21956
3.21390
3.20867
3.20396
3.19965

3.88920
3.89742
3.90885
3.92347
3.93427
3.95137
3.96225
3.97510
3.99062
4.00808
4.04602
4.06500
4.08322
4.09979
4.11403
4.12525
4.13458
4.14365
4.15332
4.16133
4.17892
4.19702
4.20645
4.21624
4.22695
4.23544
4.25141
4.27707
4.30049
4.31030
4.326
4.3295
4.32771
4.32649
4.32016
4.33035
4.30483
4.31014
4.31543
4.31680
4.33030
4.31678
4.31046
4.30329
4.29360

[illegible]

.64949	4.28191	3.19559	.15858	.33676	.92814
.73954	4.25456	3.18753	.17557	.34356	.92258
.84972	4.22582	3.17845	.19051	.35079	.91687
.89983	4.21212	3.17312	.19674	.35385	.91438
.94993	4.19963	3.16704	.20196	.35618	.91233
1.00000	4.18886	3.16005	.20512	.35749	.91089
1.05216	4.17952	3.15164	.21450	.35806	.90873
1.10761	4.17091	3.14174	.22092	.35917	.90675
1.12272	4.15547	3.11913	.23004	.36235	.90305
1.33403	4.14174	3.09570	.23682	.36585	.89951
1.43022	4.12894	3.07488	.24848	.36837	.89586
1.46912	4.12264	3.06653	.25572	.36872	.89367
1.50000	4.11628	3.06013	.26766	.36794	.89049
1.52632	4.10934	3.05485	.28246	.36562	.88687
1.57837	4.09247	3.04431	.30915	.35723	.88137
1.62936	4.07190	3.03393	.33228	.34613	.87737
1.67895	4.04796	3.02383	.35276	.33482	.87376
1.72682	4.02099	3.01413	.37205	.32543	.86930
1.75000	4.00648	3.00948	.38181	.32205	.86632

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00174

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00063
MDI NUMBER= 24 NUMBER PTS= 67

-2.00000	3.87546	3.16486	-3.0799	.32773	.89316
-1.94332	3.88389	3.17883	-.29559	.33401	.89502
-1.89860	3.89542	3.19091	-.28404	.33692	.89767
-1.84822	3.91006	3.20102	-.27266	.33751	.90097
-1.79856	3.92784	3.20906	-.26108	.33697	.90459
-1.77412	3.93792	3.21228	-.25519	.33665	.90639
-1.75000	3.94879	3.21495	-.24926	.33651	.90809
-1.72614	3.96161	3.21671	-.24578	.33584	.90929
-1.70235	3.97707	3.21737	-.24035	.33457	.91120
-1.67852	3.99446	3.21720	-.23314	.33289	.91369
-1.65023	4.03220	3.21539	-.22493	.32892	.91957
-1.60551	4.05115	3.21428	-.20499	.32690	.92256
-1.58026	4.06921	3.21338	-.19517	.32502	.92535
-1.55433	4.08567	3.21294	-.18590	.32339	.92782
-1.52762	4.09984	3.21324	-.17743	.32217	.92990
-1.50000	4.11100	3.21453	-.16985	.32150	.93155
-1.46772	4.12029	3.21723	-.17012	.32096	.93169
-1.42800	4.12934	3.22134	-.16884	.32093	.93193
-1.33150	4.14706	3.23244	-.16337	.32212	.93250
-1.22100	4.16474	3.24515	-.15409	.32474	.93317
-1.10699	4.18298	3.25678	-.13928	.32858	.93415
-1.05197	4.19249	3.26131	-.12848	.33088	.93489
-1.00000	4.20236	3.26456	-.11395	.33338	.93588
-.94999	4.21315	3.26660	-.10659	.33578	.93589
-.84991	4.23780	3.26830	-.09202	.34155	.93535
-.74981	4.26366	3.26782	-.07711	.34807	.93429
-.64977	4.29728	3.26635	-.06094	.35457	.93304
-.59980	4.29717	3.26560	-.05211	.35754	.93244
-.54387	4.30521	3.26505	-.04264	.36013	.93193
-.50000	4.31097	3.26483	-.03751	.36222	.93153
-.45012	4.31409	3.26505	-.02146	.36358	.93131
-.40019	4.31481	3.26564	-.01639	.36415	.93128
-.35021	4.31359	3.26643	-.00690	.36404	.93138
-.30020	4.31091	3.26727	.00845	.36335	.93162
-.20011	4.30301	3.26851	.02529	.36069	.93234

.93321
 .93362
 .93397
 .93426
 .93457
 .93510
 .93526
 .93514
 .93485
 .93436
 .93365
 .93303
 .93244
 .93068
 .92847
 .92312
 .91745
 .91488
 .91271
 .91109
 .90898
 .90734
 .90494
 .90308
 .90097
 .89934
 .89653
 .89287
 .88909
 .88265
 .87691
 .87149
 .86589

.35710
 .35522
 .35343
 .35152
 .34934
 .34555
 .33978
 .33526
 .33762
 .33572
 .33417
 .33303
 .33289
 .33410
 .33636
 .34282
 .35000
 .35316
 .35566
 .35720
 .35765
 .35791
 .35791
 .35731
 .35630
 .35560
 .35442
 .35275
 .35029
 .34393
 .33650
 .32894
 .32203

.03993
 .04659
 .05290
 .05994
 .06733
 .08292
 .09915
 .10735
 .11553
 .12371
 .13188
 .14050
 .14901
 .15750
 .17411
 .18916
 .19561
 .20116
 .20574
 .21414
 .22053
 .23018
 .23828
 .24760
 .25442
 .26554
 .28054
 .29467
 .32039
 .34320
 .36374
 .38280

3.26814
 3.26697
 3.26495
 3.26193
 3.25799
 3.24801
 3.23635
 3.23033
 3.22440
 3.21872
 3.21348
 3.20879
 3.20451
 3.20050
 3.19256
 3.18360
 3.17832
 3.17227
 3.16528
 3.15688
 3.14696
 3.12433
 3.10086
 3.08002
 3.07166
 3.06525
 3.05996
 3.05467
 3.04414
 3.03383
 3.02387
 3.01441

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
 .00172

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
 .00063

MDI NUMBER= 25 NUMBER PTS= 68

.89371
 .89567
 .89826
 .90143
 .90494
 .90689
 .90838
 .90981
 .91199
 .91475
 .92108
 .92421
 .92707
 .92954
 .93156
 .93308
 .93315
 .93338
 .93398
 .93471
 .93573
 .93646

.32435
 .33156
 .33537
 .33667
 .33655
 .33630
 .33612
 .33535
 .33384
 .33181
 .32700
 .32454
 .32235
 .32027
 .31875
 .31788
 .31722
 .31704
 .31794
 .32033
 .32408
 .32644

.30997
 .29638
 .28400
 .27216
 .26044
 .25458
 .24874
 .24452
 .23839
 .23051
 .21137
 .20127
 .19157
 .18270
 .17492
 .16828
 .16915
 .16821
 .16307
 .15395
 .13919
 .12838

3.16998
 3.18395
 3.19600
 3.20606
 3.21407
 3.21728
 3.21995
 3.22171
 3.22238
 3.22242
 3.22042
 3.21932
 3.21842
 3.21799
 3.21829
 3.21958
 3.22227
 3.22638
 3.23750
 3.25022
 3.26183
 3.26638

-1.00000	4.18800	3.26664	-1.1382	.32908	.93742
-1.95000	4.19891	3.27167	-1.0653	.33178	.93732
-1.89998	4.21100	3.27286	-1.0939	.33502	.93695
-1.79987	4.23700	3.27333	-1.08521	.34268	.93558
-1.69979	4.26249	3.27220	-1.07026	.35107	.93371
-1.59977	4.27396	3.27141	-1.06210	.35515	.93274
-1.59960	4.28399	3.27067	-1.05328	.35892	.93185
-1.54987	4.29215	3.27011	-1.04369	.36216	.93109
-1.50000	4.29800	3.26990	-1.03327	.36465	.93055
-1.45013	4.30118	3.27012	-1.02182	.36617	.93029
-1.40020	4.30193	3.27070	-1.01089	.36669	.93028
-1.35022	4.30072	3.27148	-1.00062	.36637	.93047
-1.30021	4.29803	3.27231	-1.00893	.36534	.93083
-1.20012	4.29006	3.27353	-1.02593	.36181	.93189
-1.10002	4.28176	3.27314	-1.04055	.35731	.93311
-1.04999	4.27866	3.27197	-1.04717	.35505	.93366
0.00000	4.27689	3.26995	-1.05342	.35297	.93411
0.05001	4.27680	3.26694	-1.06057	.35089	.93446
1.00007	4.27813	3.26300	-1.06802	.34862	.93479
1.00028	4.28314	3.25302	-1.08365	.34386	.93529
1.00045	4.28811	3.24139	-1.09978	.33933	.93536
1.00047	4.28940	3.23537	-1.10788	.33731	.93519
1.00041	4.28926	3.22944	-1.11596	.33554	.93486
1.00026	4.28721	3.22377	-1.12402	.33407	.93435
1.00000	4.28279	3.21854	-1.13206	.33293	.93366
1.00073	4.27559	3.21384	-1.14019	.33266	.93257
1.00056	4.26591	3.20959	-1.14827	.33358	.93099
1.00048	4.25426	3.20560	-1.15637	.33543	.92900
1.00052	4.22719	3.19773	-1.17243	.34098	.92412
1.00071	4.19857	3.18884	-1.18738	.34740	.91880
1.00083	4.18500	3.18358	-1.19401	.35032	.91632
1.00093	4.17262	3.17755	-1.19989	.35271	.91413
1.00000	4.16196	3.17057	-1.20495	.35429	.91240
1.05217	4.15275	3.16216	-1.21364	.35462	.91028
1.10761	4.14426	3.15224	-1.22022	.35433	.90882
1.22270	4.12907	3.12957	-1.23007	.35234	.90715
1.33399	4.11558	3.10606	-1.23818	.34928	.90624
1.43019	4.10296	3.08517	-1.24718	.34620	.90501
1.46910	4.09071	3.07680	-1.25355	.34432	.90374
1.50000	4.07817	3.07039	-1.26378	.34377	.90124
1.52635	4.08341	3.06509	-1.27868	.34237	.89728
1.55252	4.07543	3.05979	-1.29282	.34085	.89335
1.60411	4.05654	3.04923	-1.31907	.33736	.88565
1.65445	4.03405	3.03888	-1.34287	.33314	.87833
1.70320	4.00831	3.02890	-1.36443	.32802	.87154
1.75000	3.97969	3.01944	-1.38390	.32183	.86548

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS

.00170

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

.00062

MDI NUMBER= 26 NUMBER PTS= 67

-2.00000	5.84712	3.17514	-1.31206	.32058	.89434
-1.94935	5.85614	3.18909	-1.29731	.32835	.89654
-1.89867	5.86806	3.20110	-1.28408	.33307	.89909
-1.84831	5.88293	3.21112	-1.27175	.33537	.90204
-1.79864	5.90080	3.21909	-1.25988	.33602	.90529
-1.75000	5.92175	3.22496	-1.24824	.33587	.90861
-1.72568	5.94443	3.22673	-1.24327	.33509	.91024
-1.70224	5.94975	3.22740	-1.23648	.33347	.91262

-1.67336	3.96687	3.22725	-1.22806	.33126	.91556
-1.63001	4.00393	3.22548	-1.20827	.32597	.92215
-1.60529	4.02250	3.22439	-1.19815	.32326	.92533
-1.58025	4.04020	3.22351	-1.18864	.32073	.92820
-1.55417	4.05655	3.22309	-1.18018	.31854	.93063
-1.52753	4.07026	3.22339	-1.17302	.31687	.93255
-1.50000	4.08125	3.22468	-1.16717	.31589	.93395
-1.46781	4.09043	3.22737	-1.16849	.31514	.93397
-1.42813	4.09944	3.23148	-1.16779	.31483	.93420
-1.33163	4.11719	3.23260	-1.16292	.31533	.93489
-1.22105	4.13504	3.25533	-1.15392	.31725	.93577
-1.10639	4.15356	3.26696	-1.13922	.32063	.93692
-1.05195	4.16325	3.27151	-1.12842	.32288	.93769
-1.00000	4.17331	3.27477	-1.11385	.32550	.93866
-95002	4.18434	3.27680	-1.10670	.32831	.93852
-90000	4.19659	3.27799	-1.09972	.33183	.93805
-79989	4.22299	3.27844	-1.08595	.34044	.93633
-69930	4.24891	3.27730	-1.07136	.35008	.93400
-64978	4.26058	3.27651	-1.06328	.35481	.93280
-59360	4.27079	3.27576	-1.05443	.35914	.93170
-54967	4.27909	3.27520	-1.04466	.36281	.93079
-50000	4.28504	3.27498	-1.03394	.36553	.93018
-45013	4.28828	3.27521	-1.02212	.36709	.92992
-40021	4.28907	3.27578	-1.01088	.36758	.92993
-35023	4.28787	3.27655	-1.00035	.36716	.93016
-30022	4.28516	3.27737	-1.00939	.36599	.93057
-20012	4.27710	3.27856	-1.02660	.36210	.93176
-10002	4.26866	3.27816	-1.04123	.35724	.93310
-04999	4.26549	3.27698	-1.04781	.35484	.93370
0.00000	4.26363	3.27496	-1.05399	.35266	.93419
.05001	4.26345	3.27195	-1.06121	.35051	.93456
.10007	4.26464	3.26802	-1.06872	.34818	.93491
.20028	4.26931	3.25810	-1.08436	.34338	.93540
.30045	4.27392	3.24653	-1.10038	.33890	.93545
.35047	4.27505	3.24054	-1.10841	.33693	.93527
.40042	4.27477	3.23464	-1.11639	.33520	.93493
.45027	4.27253	3.22899	-1.12432	.33376	.93374
.50000	4.26815	3.22375	-1.13223	.33263	.93276
.54973	4.26095	3.21906	-1.13993	.33222	.93276
.59956	4.25131	3.21482	-1.14760	.33273	.93140
.64948	4.23974	3.21084	-1.15530	.33399	.92989
.74951	4.21288	3.20299	-1.17066	.33806	.92552
.84971	4.18453	3.19411	-1.18532	.34302	.92087
.89982	4.17108	3.18886	-1.19205	.34537	.91860
.94992	4.15881	3.18284	-1.19823	.34737	.91653
1.00000	4.14823	3.17586	-1.20380	.34880	.91477
1.05217	4.13907	3.16745	-1.21298	.34903	.91259
1.10761	4.13062	3.15751	-1.21989	.34849	.91118
1.22269	4.11547	3.13480	-1.23012	.34562	.90972
1.33397	4.10198	3.11124	-1.23832	.34156	.90914
1.43016	4.08934	3.09031	-1.24703	.33769	.90826
1.46908	4.08309	3.08192	-1.25298	.33621	.90717
1.50000	4.07675	3.07551	-1.26232	.33508	.90493
1.52637	4.06980	3.07020	-1.27008	.33401	.90099
1.55255	4.06183	3.06489	-1.29086	.33320	.89687
1.60417	4.04297	3.05433	-1.31730	.33191	.88835
1.65452	4.02049	3.04397	-1.34190	.33018	.87982
1.70324	3.99472	3.03398	-1.36459	.32701	.87186
1.75000	3.96599	3.02453	-1.38502	.32146	.86512

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS

.00166

WEEDR--AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MOI NUMBER= 27 NUMBER PTS= 66

.00062
-2.60000 3.83267 3.18028
-1.94336 3.84203 3.19422
-1.89870 3.85420 3.20620
-1.84836 3.86925 3.21617
-1.79868 3.88723 3.22411
-1.75000 3.90819 3.22997
-1.72535 3.92088 3.23174
-1.70000 3.93133 3.23243
-1.65423 3.97107 3.23158
-1.60518 4.00798 3.22949
-1.57995 4.02546 3.22862
-1.55409 4.04142 3.22821
-1.52748 4.05518 3.22852
-1.50000 4.06607 3.22981
-1.46785 4.07521 3.23249
-1.42820 4.08418 3.23660
-1.33169 4.10191 3.24773
-1.32168 4.11582 3.26047
-1.10698 4.13846 3.27210
-1.05194 4.14823 3.27665
-1.00000 4.15839 3.27991
-95003 4.16955 3.28194
-90002 4.18199 3.28312
-79991 4.20683 3.28356
-69980 4.23525 3.28241
-64978 4.24715 3.28161
-59980 4.25756 3.28085
-54986 4.26602 3.28029
-50000 4.27209 3.28007
-45014 4.27539 3.28029
-40021 4.27621 3.28086
-35024 4.27501 3.28162
-30022 4.27228 3.28243
-26413 4.26413 3.28360
-20013 4.25555 3.28318
-10002 4.25555 3.28199
0.00000 4.25229 3.27997
0.05001 4.25006 3.27597
1.00007 4.24610 3.27307
1.00007 4.24536 3.26322
2.00028 4.23953 3.25174
3.00048 4.26046 3.24579
4.00042 4.25002 3.23992
4.50027 4.25775 3.23429
5.00000 4.25321 3.22907
5.49712 4.24601 3.22438
5.90005 4.23642 3.22013
6.49007 4.22495 3.21613
7.49950 4.19837 3.20625
8.49970 4.17052 3.19435
8.99981 4.15702 3.18409
9.99992 4.14486 3.18806
1.00000 4.13437 3.18108
1.05217 4.11523 3.17266
1.10711 4.11684 3.16271
1.22268 4.10170 3.13957

-31408
-29833
-28432
-27154
-25951
-24781
-24210
-23473
-21601
-19569
-18642
-17836
-17173
-16652
-16812
-16757
-16286
-15395
-13932
-12854
-11399
-10700
-10020
-08679
-07446
-06440
-05547
-04551
-03446
-02236
-01688
-00015
-00077
-02720
-04191
-04845
-05456
-06185
-06940
-08306
-10100
-10894
-11682
-12453
-13238
-13975
-14766
-15437
-16112
-16809
-17494
-18187
-18872
-19568
-20262
-20950
-21643
-22335

.31642
.32436
.33001
.33359
.33537
.33575
.33504
.33344
.32858
.32299
.32038
.31812
.31640
.31540
.31461
.31416
.31412
.31536
.31809
.32008
.32251
.32528
.32889
.33004
.33713
.33453
.33320
.33199
.33103
.33043
.33021
.33023
.33045
.33084
.33195
.33321
.33377
.33422
.33456
.33491
.33544
.33554
.33538
.33506
.33457
.33457
.33390
.33302
.33190
.33203
.32731
.32360
.32170
.31988
.31814
.31587
.31434
.31268

.91190
.91092
.90987
.90781
.90395
.89978
.89077
.88139
.87242
.86485

.33399
.33049
.32916
.32815
.32732
.32705
.32738
.32752
.32587
.32094

.23850
.24699
.25257
.26113
.27519
.28884
.31520
.34042
.36426
.38605

3.11637
3.09541
3.08701
3.08058
3.07528
3.06997
3.05941
3.04907
3.03910
3.02966

4.08816
4.07548
4.06921
4.06286
4.05593
4.04798
4.03919
4.03677
3.98101
3.95217

1.33355
1.43014
1.46907
1.50050
1.52839
1.55258
1.60423
1.65458
1.70329
1.75000

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00166

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00061

MDI NUMBER= 28 NUMBER PTS= 66

.89611
.89903
.90139
.90358
.90595
.90886
.91078
.91336
.91970
.92606
.92878
.93103
.93276
.93393
.93390
.93420
.93526
.93665
.93834
.93934
.94050
.94043
.93994
.93800
.93531
.93395
.93274
.93181
.93130
.93115
.93117
.93135
.93164
.93247
.93342
.93385
.93421
.93448
.93481
.93540
.93562
.93552
.93525
.93479

.31181
.31957
.32619
.33131
.33460
.33576
.33520
.33373
.32912
.32371
.32117
.31898
.31732
.31638
.31559
.31497
.31428
.31459
.31636
.31793
.31793
.32004
.32260
.32613
.33538
.34611
.35137
.35613
.36000
.36259
.36394
.36441
.36414
.36325
.36018
.35625
.35428
.35246
.35049
.34817
.34304
.33806
.33588
.33400
.33250

-.31584
-.29936
-.28477
-.27163
-.25941
-.24746
-.24107
-.23322
-.21409
-.19397
-.18498
-.17728
-.17108
-.16636
-.16803
-.16752
-.16285
-.15400
-.13941
-.12867
-.11415
-.10736
-.10074
-.08764
-.07346
-.06538
-.05633
-.04615
-.03479
-.02252
-.01090
-.00005
.00999
.02766
.04250
.04904
.05508
.06247
.07003
.08578
.10166
.10952
.11728
.12493

3.18538
3.19931
3.21126
3.22121
3.22913
3.23498
3.23876
3.23746
3.23664
3.23458
3.23372
3.23322
3.23364
3.23493
3.23761
3.24172
3.25285
3.26559
3.27723
3.28178
3.28504
3.28707
3.28825
3.28867
3.28750
3.28669
3.28593
3.28536
3.28514
3.28536
3.28592
3.28668
3.28748
3.28663
3.23819
3.28701
3.28498
3.28199
3.27811
3.26835
3.25697
3.25107
3.24524
3.23963

3.81815
3.82782
3.84027
3.85553
3.87364
3.89462
3.90726
3.92230
3.93698
3.93345
4.01073
4.02650
4.04011
4.05092
4.06000
4.06893
4.08663
4.10456
4.12329
4.13313
4.14337
4.15467
4.16729
4.19461
4.22155
4.23369
4.24432
4.25295
4.25912
4.26248
4.26333
4.26213
4.25938
4.25114
4.24242
4.23909
4.23708
4.23667
4.23754
4.24137
4.24506
4.24573
4.24515
4.24275

-2.00000
-1.94938
-1.89874
-1.84841
-1.79872
-1.75000
-1.72602
-1.70213
-1.65413
-1.60507
-1.57985
-1.55401
-1.52743
-1.50000
-1.46789
-1.42826
-1.33175
-1.22111
-1.10598
-1.05193
-1.00000
-.95004
-.90004
-.79393
-.69961
-.64978
-.59979
-.54966
-.50000
-.45014
-.40022
-.35025
-.30023
-.26013
-.20002
-.10002
-.04999
0.00000
.05001
.10007
.20029
.30046
.35048
.40043
.45027

.50000	4.23815	3.23442	.13250	.33143	.93413
.54972	4.23095	3.22972	.13968	.33067	.93335
.59955	4.22142	3.22545	.14672	.33002	.93250
.64946	4.21005	3.22143	.15366	.32947	.93158
.74950	4.18375	3.21347	.16733	.32878	.92947
.84969	4.15603	3.20450	.18081	.32808	.92697
.89981	4.14287	3.19921	.18747	.32890	.92557
.94992	4.13084	3.19315	.19406	.32932	.92406
1.00000	4.12043	3.18617	.20053	.32993	.92246
1.05217	4.11136	3.17774	.21093	.33006	.92009
1.10761	4.10296	3.16779	.21872	.32983	.91836
1.22267	4.08781	3.14504	.22998	.32847	.91609
1.33393	4.07423	3.12141	.23852	.32643	.91463
1.43012	4.06149	3.10043	.24688	.32439	.91314
1.46906	4.05521	3.09202	.25220	.32353	.91199
1.50000	4.04886	3.08559	.26018	.32274	.91002
1.52640	4.04194	3.08029	.27363	.32209	.90630
1.57859	4.02513	3.06971	.28992	.32280	.89769
1.62964	4.00458	3.05927	.32578	.32451	.88801
1.67922	3.98051	3.04913	.35116	.32522	.87802
1.72834	3.95315	3.03944	.37547	.32302	.86873
1.75000	3.93831	3.03480	.38691	.32028	.86471

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00164

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 29 NUMBER PTS= 65

-2.00000	3.80362	3.19039	-.31716	.30669	.89741
-1.94939	3.81358	3.20432	-.30037	.31392	.90068
-1.89876	3.82629	3.21628	-.28546	.32156	.90284
-1.84845	3.84178	3.22622	-.27211	.32853	.90445
-1.79875	3.86003	3.23413	-.25970	.33370	.90620
-1.75000	3.88106	3.23999	-.24722	.33590	.90888
-1.72600	3.89366	3.24177	-.24026	.33555	.91087
-1.70208	3.90860	3.24248	-.23205	.33435	.91344
-1.65403	3.94296	3.24169	-.21282	.33032	.91956
-1.60499	3.97904	3.23965	-.19313	.32543	.92563
-1.57977	3.99613	3.23880	-.18444	.32312	.92821
-1.55395	4.01174	3.23841	-.17705	.32114	.93034
-1.52730	4.02522	3.23873	-.17116	.31966	.93195
-1.50000	4.03594	3.24002	-.16673	.31888	.93301
-1.46793	4.04498	3.24270	-.16825	.31813	.93300
-1.42832	4.05387	3.24681	-.16763	.31734	.93338
-1.33180	4.07150	3.25794	-.16287	.31582	.93474
-1.22113	4.08942	3.27066	-.15401	.31493	.93654
-1.10398	4.10819	3.28231	-.13946	.31540	.93865
-1.05192	4.11808	3.28687	-.12875	.31640	.93985
-1.00000	4.12839	3.29012	-.11428	.31802	.94117
-.95005	4.13980	3.29215	-.10771	.32022	.94120
-.90005	4.15259	3.29332	-.10127	.32351	.94079
-.79995	4.18038	3.29373	-.08840	.33249	.93895
-.69982	4.20785	3.29255	-.07428	.34309	.93636
-.64978	4.22024	3.29173	-.06613	.34826	.93506
-.59979	4.23108	3.29096	-.05632	.35288	.93394
-.54966	4.23987	3.29039	-.04651	.35653	.93313
-.50000	4.24314	3.29016	-.03486	.35878	.93277
-.45015	4.24955	3.29038	-.02259	.35987	.93273
-.40023	4.25041	3.29095	-.01097	.36036	.93275
-.35025	4.24922	3.29170	-.00010	.36033	.93282

-30024	4.24645	3.29250	.01001	.35987	.93295
-20014	4.22811	3.29365	.02769	.35798	.93331
-10002	4.22927	3.29321	.04292	.35534	.93375
-04959	4.22587	3.29202	.04949	.35394	.93396
0.00000	4.22380	3.28999	.05551	.35257	.93414
.05001	4.22330	3.28701	.06305	.35086	.93430
.10007	4.22402	3.28315	.07076	.34860	.93460
.20029	4.22741	3.27247	.08655	.34316	.93528
.30057	4.23064	3.26218	.10238	.33763	.93569
.35049	4.23114	3.25632	.11015	.33519	.93569
.40043	4.23033	3.25052	.11777	.33312	.93550
.45027	4.22781	3.24494	.12523	.33152	.93510
.50000	4.22314	3.23974	.13257	.33050	.93445
.54972	4.21595	3.23503	.13974	.32951	.93375
.59954	4.20648	3.23072	.14662	.32805	.93321
.64916	4.19520	3.22665	.15325	.32625	.93278
.74949	4.16917	3.21858	.16596	.32218	.93202
.84369	4.14173	3.20948	.17854	.31843	.93098
.89921	4.12870	3.20414	.18500	.31708	.93018
.94962	4.11677	3.19806	.19164	.31630	.92910
1.00000	4.10644	3.19106	.19843	.31628	.92768
1.05217	4.09741	3.18263	.20340	.31643	.92522
1.10761	4.08903	3.17268	.21762	.31678	.92320
1.22206	4.07389	3.14994	.22942	.31777	.91999
1.33391	4.06029	3.12633	.23819	.31873	.91743
1.43011	4.04752	3.10535	.24656	.31925	.91503
1.46904	4.04123	3.08695	.25178	.31918	.91364
1.50000	4.03487	3.07052	.25947	.31870	.91165
1.55264	4.02007	3.07993	.28495	.31850	.90408
1.60432	4.00143	3.06944	.31053	.32061	.89486
1.65468	3.97916	3.05920	.33644	.32287	.88463
1.70337	3.95344	3.04931	.36236	.32315	.87422
1.75000	3.92446	3.03992	.38747	.31949	.86475

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00163

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
NDI NUMBER= 30 NUMBER PTS= 65
.00051

-2.00000	3.78918	3.19527	-31788	.30100	.89909
-1.94950	3.79935	3.20922	-30131	.30734	.90264
-1.89878	3.81231	3.22120	-28645	.31607	.90446
-1.84847	3.82802	3.23118	-27308	.32522	.90535
-1.79877	3.84643	3.23913	-26045	.33265	.90537
-1.75000	3.86752	3.24500	-24713	.33615	.90880
-1.72598	3.88008	3.24678	-23972	.33610	.91081
-1.70205	3.89494	3.24749	-23131	.33529	.91328
-1.65400	3.92905	3.24671	-21234	.33218	.91901
-1.60493	3.96483	3.24468	-19330	.32821	.92461
-1.57972	3.98178	3.24383	-18494	.32632	.92699
-1.55390	3.99726	3.24344	-17781	.32471	.92595
-1.52737	4.01065	3.24377	-17208	.32356	.93043
-1.50000	4.02132	3.24505	-16772	.32306	.93140
-1.46795	4.03032	3.24773	-16879	.32240	.93143
-1.42835	4.03916	3.25184	-16792	.32141	.93193
-1.33184	4.05671	3.26295	-16290	.31886	.93370
-1.22115	4.07455	3.27563	-15395	.31642	.93604
-1.10697	4.09330	3.28731	-13941	.31522	.93872
-1.05192	4.10320	3.29186	-12873	.31545	.94017
-1.00000	4.11356	3.29512	-11432	.31641	.94171

- .95066	4.12505	3.29714	- .10798	.31809	.94189
- .90006	4.13800	3.29831	- .10170	.32096	.94162
- .79996	4.16623	3.29872	- .08900	.32931	.94002
- .69982	4.19420	3.29752	- .07482	.33934	.93768
- .64978	4.20681	3.29670	- .06655	.34420	.93653
- .59979	4.21785	3.29592	- .05717	.34845	.93558
- .54986	4.22679	3.29535	- .04653	.35166	.93497
- .50000	4.23314	3.29512	- .03463	.35340	.93483
- .45015	4.23657	3.29535	- .02255	.35414	.93492
- .40023	4.23745	3.29591	- .01111	.35468	.93492
- .35026	4.23624	3.29667	- .00034	.35501	.93486
- .30024	4.23345	3.29748	- .00974	.35517	.93475
- .20014	4.22503	3.29864	- .02780	.35497	.93447
- .10002	4.21610	3.29821	- .04310	.35416	.93419
- .04999	4.21265	3.29702	- .04976	.35355	.93409
- .00000	4.21054	3.29500	- .05580	.35281	.93403
.05001	4.20996	3.29202	- .06356	.35148	.93404
.10007	4.21055	3.28818	- .07142	.34931	.93428
.20029	4.21357	3.27855	- .08738	.34348	.93509
.30047	4.21638	3.26732	- .10321	.33718	.93577
.35049	4.21669	3.26149	- .11088	.33436	.93590
.40043	4.21572	3.25571	- .11832	.33200	.93583
.45028	4.21308	3.25015	- .12553	.33026	.93550
.50000	4.20836	3.24495	- .13257	.32930	.93487
.54972	4.20119	3.24023	- .13994	.32804	.93424
.59954	4.19176	3.23588	- .14683	.32558	.93404
.64945	4.18055	3.23174	- .15321	.32223	.93418
.74949	4.15473	3.22350	- .16490	.31399	.93500
.84968	4.12752	3.21424	- .17634	.30578	.93563
.89980	4.11458	3.20884	- .18246	.30252	.93552
.94991	4.10273	3.20270	- .18900	.30030	.93493
1.00000	4.09245	3.19569	- .19599	.29950	.93375
1.05217	4.08345	3.18727	- .20742	.29974	.93120
1.10760	4.07510	3.17733	- .21601	.29974	.92884
1.22265	4.06000	3.15464	- .22831	.30099	.92445
1.33360	4.04643	3.13108	- .23733	.31072	.92040
1.43010	4.03368	3.11015	- .24587	.31497	.91670
1.46904	4.02739	3.10176	- .25119	.31604	.91489
1.50000	4.02104	3.09533	- .25898	.31595	.91274
1.55265	4.00626	3.08476	- .26326	.31587	.90553
1.60435	3.98767	3.07434	- .26924	.31819	.89652
1.65472	3.96544	3.06417	- .27422	.32076	.88625
1.70339	3.93973	3.05435	- .28088	.32151	.87544
1.75000	3.91071	3.04500	- .28764	.31857	.86501

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00163

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 31 NUMBER PTS= 65

.00061	3.77490
-2.00000	3.21398
-1.94920	3.21398
-1.89879	3.22603
-1.84828	3.23609
-1.79878	3.24410
-1.75000	3.25000
-1.72597	3.25179
-1.70204	3.25249
-1.65398	3.25169
-1.60491	3.24964

- .31783	.29461	.90122
- .30213	.29974	.90492
- .28777	.30969	.90625
- .27464	.32135	.90626
- .26178	.33144	.90643
- .24722	.33653	.90864
- .23953	.33684	.91059
- .23112	.33655	.91285
- .21480	.33474	.91797
- .19472	.33216	.92290

-1.57370	3.95781	3.24879	-1.18670	.33093	.92500
-1.55389	3.98322	3.24840	-1.17976	.32991	.92674
-1.52736	3.99656	3.24871	-1.17403	.32927	.92806
-1.50300	4.03720	3.25000	-1.16946	.32918	.92894
-1.46796	4.01617	3.25268	-1.16973	.32869	.92906
-1.42936	4.02498	3.25678	-1.16839	.32747	.92973
-1.33165	4.04240	3.26788	-1.16291	.32362	.93206
-1.22116	4.02011	3.28059	-1.15378	.31920	.93513
-1.10247	4.07876	3.29220	-1.13921	.31586	.93854
-1.05192	4.08864	3.29675	-1.12856	.31509	.94031
-1.00000	4.09900	3.30000	-1.11421	.31520	.94213
-95006	4.11056	3.30202	-1.10811	.31617	.94252
-90007	4.12363	3.30319	-1.10197	.31845	.94244
-79596	4.15223	3.30359	-1.08934	.32577	.94122
-69282	4.18062	3.30240	-1.07499	.33482	.93929
-63375	4.19344	3.30157	-1.06556	.33914	.93838
-59979	4.20464	3.30080	-1.05699	.34280	.93768
-54926	4.21370	3.30022	-1.04615	.34538	.93733
-50000	4.22010	3.30000	-1.03405	.34644	.93746
-45015	4.22355	3.30022	-1.02241	.34675	.93769
-40023	4.22441	3.30080	-1.01135	.34737	.93766
-35026	4.22319	3.30157	-1.00084	.34820	.93742
-30024	4.22038	3.30240	-1.00913	.34916	.93702
-20014	4.21190	3.30360	-1.02732	.35115	.93592
-10003	4.20291	3.30320	-1.04297	.35270	.93475
-04999	4.19944	3.30202	-1.04978	.35312	.93425
0.00000	4.19730	3.30000	-1.05591	.35320	.93387
05001	4.19668	3.29702	-1.06398	.35236	.93368
10008	4.19718	3.29319	-1.07206	.35033	.93385
20029	4.19992	3.28357	-1.08830	.34401	.93480
30047	4.20240	3.27235	-1.10416	.33669	.93584
35049	4.20256	3.26653	-1.11171	.33336	.93616
40043	4.20148	3.26076	-1.11894	.33060	.93625
45028	4.19875	3.25520	-1.12583	.32866	.93603
50000	4.19400	3.25000	-1.13248	.32776	.93543
54971	4.18683	3.24525	-1.14032	.32617	.93484
59954	4.17743	3.24085	-1.14736	.32249	.93503
64945	4.16626	3.23663	-1.15358	.31721	.93584
70928	4.14055	3.22818	-1.16415	.30390	.93846
84968	4.11346	3.21871	-1.17420	.29036	.94093
89980	4.10058	3.21322	-1.17982	.28486	.94155
94991	4.08877	3.20704	-1.18513	.28037	.94149
1.00000	4.07850	3.20000	-1.19317	.27927	.94058
1.05217	4.06953	3.19159	-1.20487	.27969	.93798
1.10760	4.06122	3.18168	-1.21374	.28214	.93526
1.22265	4.04632	3.15907	-1.22845	.29109	.92951
1.33339	4.03276	3.13562	-1.23575	.30221	.92363
1.43009	4.02010	3.11478	-1.24467	.31149	.91821
1.46303	4.01384	3.10642	-1.25034	.31409	.91579
1.50000	4.00750	3.10000	-1.25873	.31450	.91332
1.55266	3.99272	3.08947	-1.26187	.31430	.90651
1.60436	3.97412	3.07913	-1.30016	.31635	.89788
1.65473	3.95188	3.06905	-1.31193	.31872	.88783
1.70340	3.92615	3.05932	-1.35910	.31964	.87686
1.75000	3.89710	3.05000	-1.38731	.31752	.86555

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00164

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00061

MDI NUMBER= 32 NUMBER PTS= 65

-2.00000	3.76029	3.20474	-3.1762	.29067	.90257
-1.94939	3.77066	3.21875	-3.0317	.29505	.90611
-1.89877	3.78397	3.23088	-2.8899	.30289	.90815
-1.84846	3.80008	3.24104	-2.7496	.31227	.90933
-1.79377	3.81884	3.24913	-2.6010	.32120	.91051
-1.75000	3.84010	3.25507	-2.4379	.32761	.91277
-1.72598	3.85268	3.25885	-2.3567	.32955	.91425
-1.70206	3.86752	3.25754	-2.2742	.33109	.91578
-1.65402	3.90151	3.25071	-2.1107	.33315	.91895
-1.60496	3.93713	3.25462	-1.9553	.33417	.92201
-1.57975	3.95400	3.25376	-1.8843	.33443	.92339
-1.55393	3.95942	3.25335	-1.8195	.33462	.92462
-1.52732	3.98276	3.25366	-1.7621	.33480	.92567
-1.50000	3.99341	3.25494	-1.7123	.33506	.92651
-1.46794	4.00237	3.25762	-1.7047	.33448	.92686
-1.42833	4.01112	3.26171	-1.6857	.33483	.92780
-1.33110	4.02635	3.27280	-1.6253	.33745	.93078
-1.22112	4.04582	3.28549	-1.5325	.32125	.93451
-1.16696	4.06426	3.29709	-1.3875	.31641	.93842
-1.05191	4.07408	3.30163	-1.2824	.31512	.94035
-1.00000	4.08441	3.30488	-1.1413	.31493	.94223
-95007	4.09600	3.30690	-1.0852	.31586	.94258
-90008	4.10917	3.30808	-1.0283	.31832	.94239
-75957	4.13811	3.30849	-0.9094	.32650	.94081
-69924	4.16651	3.30730	-0.7635	.33670	.93946
-64980	4.17992	3.30648	-0.6844	.34158	.93736
-59920	4.19127	3.30571	-0.5856	.34568	.93652
-54986	4.20043	3.30514	-0.4718	.34850	.93612
-50000	4.20687	3.30492	-0.3433	.34953	.93630
-45015	4.21030	3.30514	-0.2240	.34906	.93663
-40023	4.21113	3.30573	-0.1120	.34787	.93748
-35026	4.20986	3.30651	-0.0076	.34615	.93818
-30024	4.20697	3.30735	-0.0894	.34407	.93890
-20014	4.19836	3.30858	-0.2640	.33958	.94021
-10003	4.18924	3.30821	-0.4185	.33572	.94103
-05000	4.18573	3.30704	-0.4901	.33441	.94115
-00000	4.18357	3.30502	-0.5580	.33371	.94102
05001	4.18294	3.30204	-0.6469	.33326	.94061
15016	4.18457	3.29366	-0.8156	.33205	.93972
25040	4.18746	3.28307	-0.9756	.33053	.93874
35049	4.18850	3.27149	-1.1238	.32884	.93768
40043	4.18737	3.26572	-1.1936	.32797	.93712
45028	4.18461	3.26015	-1.2605	.32713	.93654
50000	4.17983	3.25495	-1.3245	.32632	.93594
54971	4.17264	3.25019	-1.4037	.32426	.93542
59954	4.16321	3.24573	-1.4834	.32026	.93564
64945	4.15201	3.24144	-1.5495	.31487	.93642
74949	4.13521	3.23280	-1.6574	.30195	.93880
84969	4.09905	3.22315	-1.7571	.28948	.94092
89981	4.08614	3.21759	-1.8105	.28457	.94140
94992	4.07431	3.21135	-1.8688	.28114	.94129
100000	4.06404	3.20430	-1.9322	.27963	.94046
105216	4.05508	3.19590	-2.0435	.27990	.93803
110760	4.04663	3.18602	-2.1279	.28193	.93554
12264	4.03203	3.16351	-2.2498	.28977	.93028
133389	4.01881	3.14017	-2.3408	.30005	.92476
143009	4.00637	3.11942	-2.4314	.30945	.91931
146904	4.00019	3.11109	-2.4913	.31261	.91663
150000	3.99390	3.10468	-2.5830	.31394	.91363
152643	3.98702	3.09940	-2.6955	.31435	.91024

1.5715	3.47033	3.08921	29.43	31594	90245
1.5713	3.94984	3.07687	31752	31772	89344
1.5710	3.22588	3.06904	34346	31868	88329
1.72548	3.81637	3.05956	37114	31789	87213
1.75570	3.24354	3.05490	38964	31655	86620

WEED---MAXIMUM GROUND HEIGHT BEFORE WEEDING WAS
.00165

WEED---AVERAGE GROUND HEIGHT BEFORE WEEDING WAS

MCI NUMBER: 33 NUMBER PTS: 66

-2.00000	3.74489	3.20966	-31757	28690	90379
-1.54920	3.75536	3.22370	-30389	29066	90728
-1.39573	3.76881	3.23590	-28977	29681	90991
-1.84342	3.78509	3.24613	-27508	30433	91198
-1.79574	3.80404	3.25428	-25937	31219	91393
-1.75930	3.82549	3.26023	-24181	31932	91628
-1.72501	3.83816	3.26201	-23291	32243	91749
-1.70311	3.85310	3.26269	-22468	32535	91851
-1.65413	3.86720	3.26182	-20983	33057	92016
-1.60308	3.88232	3.25963	-19640	33478	92160
-1.57987	3.89407	3.25880	-19004	33644	92233
-1.55403	3.90556	3.25837	-18390	33777	92309
-1.52745	3.91896	3.25867	-17804	33775	92388
-1.50300	3.93964	3.25996	-17255	33935	92470
-1.46768	3.96859	3.26264	-17075	33870	92527
-1.42923	3.99727	3.26673	-16827	33667	92647
-1.33168	4.01421	3.27782	-16172	32995	93004
-1.22102	4.03131	3.29050	-15234	32219	93434
-1.10691	4.04943	3.30205	-13800	31608	93864
-1.05189	4.05914	3.30663	-12767	31437	94068
-1.00000	4.06942	3.30988	-11387	31394	94259
-95009	4.08104	3.31190	-10860	31482	94289
-90010	4.09432	3.31308	-10358	31738	94262
-80001	4.12362	3.31351	-09239	32608	94082
-69887	4.15285	3.31234	-07865	33701	93821
-64982	4.16607	3.31153	-07003	34223	93700
-59982	4.17759	3.31077	-05984	34661	93610
-54987	4.18686	3.31021	-04793	34958	93568
-50000	4.19333	3.30999	-03434	35058	93590
-45014	4.19672	3.31021	-02196	34951	93668
-40022	4.19746	3.31079	-01046	34697	93782
-35005	4.19607	3.31158	00005	34334	93921
-30024	4.19304	3.31241	00962	33904	94072
-20014	4.18412	3.31364	02650	32991	94364
-10004	4.17474	3.31326	04157	32231	94572
-05000	4.17114	3.31209	04876	31983	94622
-00000	4.16894	3.31007	05576	31862	94624
05002	4.16831	3.30709	06502	31847	94570
10009	4.16860	3.30324	07385	31895	94489
20031	4.17155	3.29359	09024	32117	94271
30040	4.17403	3.28233	10525	32392	94021
35000	4.17419	3.27048	11219	32505	93899
40044	4.17308	3.27069	11934	32575	93789
45028	4.17033	3.26313	12609	32584	93698
50000	4.16554	3.25992	13257	32512	93633
54971	4.15829	3.25515	14158	32271	93585
59954	4.14875	3.25065	14947	31847	93607
64946	4.13742	3.24633	15626	31300	93681
74951	4.11129	3.23759	16740	30043	93900

.94972
.85984
.94994
1.00000
1.05215
1.10757
1.22262
1.33388
1.43009
1.46904
1.50000
1.52642
1.55265
1.60436
1.65473
1.70341
1.75000

4.08382
4.07079
4.05888
4.04888
4.03966
4.03149
4.01699
4.00415
3.99208
3.98604
3.97986
3.97305
3.96525
3.94676
3.92457
3.89888
3.86990

3.22782
3.22222
3.21596
3.20890
3.20051
3.19065
3.16819
3.14491
3.12422
3.11590
3.10950
3.10423
3.09902
3.08878
3.07884
3.06922
3.05994

.17718
.18222
.18758
.19326
.20385
.21190
.22358
.23243
.24148
.24766
.25733
.26858
.28006
.30393
.32928
.35646
.38584

.28878
.28430
.28119
.27983
.28000
.28177
.28885
.29857
.30808
.31166
.31367
.31473
.31571
.31730
.31808
.31771
.31578

.94086
.94126
.94114
.94040
.93811
.93579
.93090
.92585
.92020
.91735
.91400
.91039
.90656
.89830
.88904
.87863
.86684

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00169

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00063

MOI NUMBER= 34 NUMBER PTS= 67

.00063
-2.00000
-1.94933
-1.89867
-1.84835
-1.79869
-1.75000
-1.72504
-1.70219
-1.65428
-1.60527
-1.58005
-1.55418
-1.52754
-1.50000
-1.46778
-1.42808
-1.33149
-1.22087
-1.10683
-1.05185
-1.00000
-.95011
-.90015
-.80007
-.69992
-.64986
-.59985
-.54988
-.50000
-.45013
-.40020
-.35023
-.30023
-.20015
-.10005
-.05001
-.00000

3.72883
3.73941
3.75300
3.76945
3.78859
3.81028
3.82310
3.83820
3.87276
3.90892
3.92603
3.94165
3.95518
3.96590
3.97484
3.98342
3.99999
4.01662
4.03432
4.04389
4.05411
4.06575
4.07914
4.10882
4.13853
4.15184
4.16363
4.17302
4.17952
4.18285
4.18347
4.18191
4.17668
4.16931
4.15955
4.15562
4.15357

3.21472
3.22878
3.24102
3.25130
3.25949
3.26546
3.26722
3.26789
3.26697
3.26480
3.26389
3.26345
3.26374
3.26503
3.26771
3.27181
3.28290
3.29559
3.30718
3.31172
3.31497
3.31699
3.31818
3.31862
3.31748
3.31668
3.31593
3.31537
3.31515
3.31538
3.31595
3.31672
3.31755
3.31874
3.31834
3.31716
3.31514

.28320
.28644
.29121
.29719
.30404
.31144
.31531
.31926
.32705
.33406
.33700
.33940
.34113
.34206
.34136
.33900
.33114
.32208
.31492
.31287
.31226
.31308
.31567
.32458
.33585
.34123
.34573
.34876
.34972
.34824
.34474
.33960
.33397
.32173
.31168
.30846
.30594

.90495
.90849
.91160
.91437
.91681
.91936
.92047
.92114
.92161
.92182
.92168
.92215
.92272
.92354
.92432
.92575
.92983
.93458
.93918
.94128
.94320
.94346
.94313
.94121
.93851
.93727
.93636
.93596
.93623
.93717
.93865
.94050
.94252
.94644
.94926
.94998
.95009

.05003	4.15295	3.31215	.06506	.30702	.94948
.10011	4.15351	3.30830	.07385	.30827	.94843
.20034	4.15653	3.29662	.08999	.31314	.94544
.30051	4.15934	3.28734	.10473	.31924	.94187
.35052	4.15664	3.28148	.11187	.32194	.94013
.40045	4.15865	3.27569	.11895	.32391	.93858
.45029	4.15595	3.27012	.12598	.32477	.93736
.50000	4.15115	3.26491	.13282	.32416	.93663
.54971	4.14380	3.26013	.14242	.32149	.93614
.59954	4.13410	3.25564	.15072	.31709	.93634
.64947	4.12254	3.25129	.15778	.31156	.93704
.74954	4.09589	3.24250	.16910	.29925	.93907
.84976	4.06791	3.23269	.17862	.28819	.94075
.89987	4.05468	3.22708	.18335	.28402	.94113
.94996	4.04264	3.22080	.18823	.28115	.94102
1.00000	4.03230	3.21374	.19329	.27990	.94037
1.05212	4.02342	3.20536	.20338	.28002	.93820
1.10753	4.01537	3.19551	.21106	.28163	.93602
1.12258	4.00126	3.17307	.22223	.28826	.93141
1.13386	3.98892	3.14982	.23078	.29765	.92636
1.14309	3.97733	3.12915	.23972	.30728	.92093
1.146904	3.97149	3.12084	.24598	.31116	.91797
1.15000	3.96546	3.11444	.25597	.31364	.91439
1.152642	3.95877	3.10917	.26738	.31512	.91061
1.155265	3.95106	3.10396	.27900	.31627	.90672
1.157864	3.94237	3.09882	.29086	.31711	.90269
1.162973	3.93214	3.08874	.30546	.31790	.89411
1.167931	3.91829	3.07896	.34161	.31760	.88455
1.172699	3.87102	3.06952	.36985	.31627	.87380
1.175000	3.85618	3.06493	.38498	.31520	.86744

66

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00173

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00065

MDI NUMBER= 35 NUMBER PTS= 67

-2.00000	3.71226	3.21987	-.31767	.27947	.90608
-1.94928	3.72296	3.23394	-.30444	.28228	.90974
-1.89860	3.73668	3.24621	-.29012	.28592	.91328
-1.84827	3.75328	3.25651	-.27458	.29059	.91660
-1.79863	3.77263	3.26473	-.25767	.29647	.91963
-1.75000	3.79460	3.27070	-.23923	.30376	.92223
-1.72609	3.80759	3.27246	-.22936	.30809	.92330
-1.70228	3.82291	3.27311	-.22105	.31276	.92375
-1.65446	3.85795	3.27215	-.20831	.32259	.92333
-1.60550	3.89459	3.26993	-.19809	.33204	.92223
-1.58027	3.91190	3.26900	-.19281	.33614	.92186
-1.55436	3.92770	3.26855	-.18700	.33953	.92182
-1.52765	3.94133	3.26884	-.18060	.34197	.92219
-1.50000	3.95216	3.27013	-.17383	.34320	.92304
-1.46767	3.96109	3.27282	-.17000	.34247	.92402
-1.42789	3.96956	3.27693	-.16643	.34247	.92564
-1.33127	3.98570	3.28803	-.15900	.33105	.93012
-1.22069	4.00178	3.30073	-.14959	.32094	.93521
-1.10675	4.01899	3.31232	-.13575	.31296	.94002
-1.05181	4.02839	3.31686	-.12590	.31064	.94215
-1.00000	4.03853	3.32010	-.11285	.30989	.94405
-.95014	4.05020	3.32213	-.10890	.31066	.94426
-.90020	4.06369	3.32332	-.10458	.31320	.94391
-.80014	4.09377	3.32379	-.09458	.32205	.94199

-.69998	4.12395	3.32267	-.08110	.33328	.93933
-64991	4.13759	3.32188	-.07219	.33864	.93814
-59988	4.14946	3.32114	-.06140	.34313	.93728
-54990	4.15896	3.32059	-.04856	.34613	.93693
-50000	4.16549	3.32037	-.03371	.34705	.93724
-45012	4.16875	3.32059	-.02013	.34531	.93827
-40018	4.15922	3.32116	-.00780	.34124	.93994
-35022	4.16745	3.32191	.00310	.33550	.94203
-30022	4.16396	3.32272	.01267	.32876	.94433
-20015	4.15404	3.32387	.02872	.31471	.94875
-10006	4.14381	3.32343	.04253	.30331	.95194
-05002	4.13993	3.32224	.04931	.29969	.95276
-00000	4.13760	3.32021	.05583	.29801	.95293
.05004	4.13700	3.31722	.06488	.29827	.95227
.10013	4.13768	3.31337	.07346	.30008	.95108
.20036	4.14111	3.30367	.08916	.30689	.94756
.30053	4.14441	3.29237	.10368	.31553	.94324
.35054	4.14492	3.28650	.11090	.31944	.94109
.40046	4.14409	3.28070	.11825	.32242	.93918
.45029	4.14149	3.27512	.12573	.32393	.93769
.50000	4.13668	3.26991	.13317	.32344	.93683
.54971	4.12921	3.26514	.14335	.32059	.93631
.59955	4.11929	3.26064	.15207	.31607	.93647
.64949	4.10745	3.25629	.15939	.31051	.93711
.74958	4.08011	3.24751	.17084	.29837	.93904
.84981	4.05147	3.23772	.18005	.28771	.94064
.89982	4.03799	3.23210	.18443	.28374	.94100
.94999	4.02578	3.22584	.18885	.28103	.94093
1.00000	4.01537	3.21878	.19331	.27886	.94038
1.05210	4.00655	3.21040	.20291	.27997	.93832
1.10749	3.99864	3.20055	.21023	.27915	.93625
1.22253	3.98499	3.17811	.22090	.28793	.93183
1.33383	3.97324	3.15486	.22912	.29721	.92691
1.43009	3.96224	3.13418	.23769	.30699	.92150
1.46904	3.95654	3.12587	.24417	.31107	.91849
1.50000	3.95079	3.11947	.25434	.31383	.91478
1.52641	3.94424	3.11420	.26602	.31553	.91086
1.55284	3.93668	3.10899	.27787	.31675	.90690
1.57864	3.92808	3.10384	.28989	.31752	.90285
1.60435	3.91853	3.09876	.30214	.31791	.89869
1.65474	3.89662	3.08882	.32751	.31775	.89381
1.70342	3.87117	3.07920	.35456	.31663	.87979
1.75000	3.84240	3.06993	.38407	.31479	.86798

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00178

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00067

MDI NUMBER= 36 NUMBER PTS= 69

3.69531	.90723
3.70613	.91109
3.71997	.91500
3.73672	.91877
3.75626	.92419
3.77855	.92497
3.79175	.92609
3.80731	.92643
3.82292	.92534
3.84013	.92327
3.85770	.92247

-1.55456	3.91371	3.27365	-1.18405	.33818	.92210
-1.52777	3.92751	3.27394	-1.18128	.34126	.92232
-1.50000	3.93843	3.27523	-1.17377	.34277	.92321
-1.46755	3.94735	3.27794	-1.16902	.34202	.92437
-1.42770	3.95570	3.28205	-1.16498	.33919	.92614
-1.38175	3.96364	3.28724	-1.16114	.33488	.92838
-1.32763	3.97903	3.29949	-1.15286	.32416	.93357
-1.16333	3.99491	3.31198	-1.14181	.31401	.93877
-1.10665	4.00348	3.31747	-1.13433	.31019	.94114
-1.05177	4.01271	3.32201	-1.12476	.30769	.94327
-1.00000	4.02376	3.32525	-1.11213	.30685	.94513
-95017	4.03445	3.32728	-1.10868	.30756	.94530
-90025	4.04805	3.32848	-1.10475	.30998	.94495
-85021	4.07852	3.32896	-1.09519	.31849	.94314
-70004	4.10920	3.32786	-1.08171	.32932	.94068
-64996	4.12307	3.32709	-1.07265	.33449	.93959
-59992	4.13512	3.32636	-1.06160	.33882	.93883
-54992	4.14473	3.32581	-1.04841	.34171	.93856
-50000	4.15129	3.32560	-1.03311	.34258	.93890
-45010	4.15447	3.32581	-1.01895	.34076	.93996
-40016	4.15478	3.32636	-1.00620	.33646	.94168
-35020	4.15276	3.32710	-1.00495	.33042	.94382
-30020	4.14898	3.32788	-1.01459	.32334	.94617
-20016	4.13844	3.32899	-1.03039	.30865	.95069
-10008	4.12766	3.32851	-1.04365	.29682	.95393
-05003	4.12361	3.32731	-1.04990	.29310	.95478
-00000	4.12120	3.32527	-1.05592	.29138	.95497
.05006	4.12064	3.32228	-1.06454	.29180	.95430
.10015	4.12146	3.31842	-1.07275	.29401	.95303
.20039	4.12539	3.30871	-1.08788	.30223	.94918
.30056	4.12929	3.29739	-1.10222	.31270	.94433
.35056	4.13007	3.29152	-1.10959	.31753	.94189
.40048	4.12944	3.28571	-1.11730	.32128	.93969
.45030	4.12696	3.28013	-1.12536	.32329	.93796
.50000	4.12215	3.27493	-1.13356	.32293	.93695
.54971	4.11455	3.27015	-1.14436	.32001	.93635
.59955	4.10438	3.26567	-1.15351	.31542	.93645
.64950	4.09220	3.26134	-1.16110	.30982	.93705
.74962	4.06406	3.25260	-1.17265	.29775	.93890
.84986	4.03465	3.24285	-1.18147	.28730	.94049
.89997	4.02087	3.23725	-1.18550	.28345	.94088
.95002	4.00846	3.23100	-1.18945	.28083	.94087
1.00000	3.99798	3.22395	-1.19331	.27972	.94042
1.05206	3.98921	3.21558	-1.20244	.27985	.93846
1.10744	3.98146	3.20572	-1.20940	.28140	.93647
1.22249	3.96834	3.18327	-1.21957	.28784	.93217
1.33381	3.95727	3.15998	-1.22744	.29720	.92733
1.43009	3.94692	3.13928	-1.23601	.30716	.92193
1.46905	3.94160	3.13096	-1.24228	.31135	.91889
1.50000	3.93595	3.12456	-1.25260	.31421	.91513
1.52641	3.92956	3.11929	-1.26460	.31596	.91113
1.55263	3.92212	3.11408	-1.27671	.31714	.90711
1.57863	3.91366	3.10892	-1.28894	.31784	.90305
1.60435	3.90422	3.10383	-1.30133	.31812	.89889
1.62974	3.89383	3.09881	-1.31394	.31805	.89459
1.67933	3.87029	3.08900	-1.34010	.31714	.88530
1.73700	3.84330	3.07953	-1.36816	.31552	.87459
1.75000	3.82858	3.07494	-1.39321	.31455	.86849

WEEDS---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00183

WEEDR--AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER- 37 NUMBER PTS- 58

00069

-2.00000	3.67810	3.23025	-3.1779	.27161	.90843
-1.94918	3.68906	3.24432	-3.3092	.27369	.91254
-1.89843	3.70302	3.25658	-28900	.27565	.91679
-1.84809	3.71993	3.26889	-27286	.27824	.92094
-1.79850	3.73970	3.27509	-25549	.28222	.92470
-1.75000	3.76227	3.28104	-23706	.28837	.92771
-1.72618	3.77567	3.28279	-22653	.29283	.92894
-1.70248	3.79150	3.28342	-21812	.29822	.92924
-1.65486	3.82773	3.28241	-20688	.31086	.92767
-1.60600	3.86559	3.28014	-19904	.32417	.92482
-1.58075	3.88345	3.27919	-19448	.33024	.92365
-1.55476	3.89970	3.27873	-18869	.33534	.92301
-1.52789	3.91367	3.27902	-18151	.33901	.92311
-1.50000	3.92469	3.28032	-17325	.34078	.92404
-1.46743	3.93360	3.28303	-16768	.34000	.92535
-1.42750	3.94181	3.28716	-16322	.33704	.92724
-1.38151	3.94953	3.29235	-15918	.33251	.92957
-1.22031	3.97177	3.31100	-14591	.31561	.93760
-1.10656	3.98786	3.32260	-13275	.30661	.94253
-1.05172	3.99689	3.32714	-12348	.30398	.94464
-1.00000	4.00685	3.33038	-11126	.30310	.94644
-95021	4.01856	3.33241	-10826	.30374	.94658
-90031	4.03228	3.33361	-10464	.30598	.94627
-80028	4.06315	3.33410	-9536	.31388	.94466
-70011	4.09433	3.33302	-88179	.32395	.94253
-65002	4.10842	3.33225	-87258	.32877	.94162
-59995	4.12065	3.33153	-86134	.33280	.94100
-54994	4.13038	3.33098	-84791	.33550	.94082
-50000	4.13696	3.33077	-83234	.33631	.94120
-45009	4.14007	3.33098	-81771	.33455	.94221
-40015	4.14019	3.33152	-80462	.33037	.94384
-35018	4.13791	3.33225	-78675	.32449	.94587
-30019	4.13383	3.33301	-76649	.31761	.94808
-20016	4.12261	3.33408	-74214	.30338	.95233
-10009	4.11126	3.33356	-7197	.29197	.95538
-05005	4.10702	3.33235	-6481	.28839	.95618
-00000	4.10452	3.33031	-5059	.28676	.95636
.05007	4.10400	3.32732	.06406	.28731	.95569
.10018	4.10499	3.32346	.07179	.28981	.95439
.20042	4.10948	3.31374	.08626	.28999	.95035
.30058	4.11405	3.30242	.10045	.31072	.94518
.35058	4.11513	3.29654	.10802	.31617	.94253
.40049	4.11474	3.29073	.11616	.32046	.94011
.45031	4.11239	3.28515	.12488	.32286	.93817
.50000	4.10758	3.27994	.13397	.32266	.93699
.54971	4.09984	3.27518	.14543	.31973	.93628
.59956	4.08940	3.27071	.15503	.31512	.93630
.64952	4.07686	3.26641	.16289	.30949	.93685
.74966	4.01785	3.25773	.17451	.29738	.93867
.84992	4.01759	3.24605	.18291	.28696	.94032
.90001	4.00348	3.24248	.18656	.28313	.94076
.95005	3.99085	3.23625	.19003	.28056	.94084
1.00000	3.98029	3.22921	.19330	.27948	.94049
1.05203	3.97159	3.22384	.20195	.27966	.93862
1.10740	3.96401	3.21098	.20855	.28129	.93689
1.22244	3.95147	3.18849	.21820	.28796	.93245
1.38452	3.93634	3.15425	.22955	.30282	.92499

1.46905	3.92647	3.13609	.24039	.31200	.91917
1.50000	3.92103	3.12969	.25087	.31478	.91541
1.52340	3.91479	3.12442	.26320	.31639	.91138
1.55263	3.90749	3.11919	.27566	.31746	.90735
1.57802	3.89917	3.11402	.28800	.31806	.90327
1.60434	3.88985	3.10891	.30055	.31827	.89910
1.62974	3.87957	3.10383	.31328	.31814	.89479
1.65475	3.86835	3.09891	.32624	.31774	.89029
1.67934	3.85622	3.09403	.33952	.31713	.88552
1.72701	3.82933	3.08455	.36749	.31546	.87489
1.75000	3.81473	3.07996	.38243	.31447	.86883

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00189

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.0007

MDI NUMBER= 38 NUMBER PTS= 70

-2.00000	3.66079	3.33538	-3.1775	.26730	.90972
-1.94913	3.67186	3.34945	-3.30330	.26907	.91412
-1.89836	3.68596	3.36168	-2.8794	.27040	.91860
-1.84801	3.70303	3.37195	-2.7149	.27215	.92316
-1.79845	3.72301	3.38013	-2.5393	.27518	.92725
-1.75000	3.74586	3.38607	-2.3546	.28036	.93057
-1.70257	3.77597	3.38781	-2.2471	.28454	.93196
-1.65505	3.81244	3.38844	-2.1626	.28999	.93228
-1.60823	3.85098	3.38743	-2.0569	.30349	.93037
-1.56097	3.88915	3.38516	-1.9891	.31830	.92689
-1.51454	3.92790	3.38422	-1.9465	.32518	.92540
-1.46800	3.96667	3.38376	-1.8884	.33101	.92454
-1.42132	3.99888	3.38306	-1.8126	.33522	.92454
-1.37477	4.03224	3.38240	-1.7225	.33721	.92554
-1.32822	4.06644	3.38166	-1.6600	.33642	.92696
-1.28167	4.09938	3.38088	-1.6120	.33337	.92891
-1.23512	4.13252	3.38008	-1.5701	.32871	.93129
-1.18857	4.16566	3.37924	-1.4385	.31137	.93934
-1.14202	4.19880	3.37838	-1.3106	.30216	.94421
-1.09547	4.23194	3.37752	-1.2237	.29949	.94626
-1.04892	4.26508	3.37666	-1.1027	.29860	.94799
-1.00237	4.29822	3.37580	-1.0760	.29917	.94811
-95024	4.33136	3.37494	-1.0419	.30116	.94786
-90036	4.36450	3.37408	-0.9501	.30818	.94657
-85035	4.39764	3.37322	-0.8125	.31712	.94490
-80017	4.43078	3.37236	-0.7192	.32141	.94421
-75007	4.46392	3.37150	-0.6057	.32500	.94377
-70000	4.49706	3.37064	-0.4705	.32742	.94371
-65000	4.53020	3.36978	-0.3141	.32816	.94410
-60000	4.56334	3.36892	-0.1652	.32661	.94501
-55000	4.59648	3.36806	-0.0322	.32288	.94643
-50000	4.62962	3.36720	.00830	.31762	.94818
-45000	4.66276	3.36634	.01814	.31147	.95008
-40013	4.69590	3.36548	.03377	.29877	.95373
-35016	4.72904	3.36462	.04597	.28860	.95635
-30018	4.76218	3.36376	.05130	.28541	.95703
-25017	4.79532	3.36290	.05614	.28397	.95719
-20010	4.82846	3.36204	.06348	.28464	.95653
-15006	4.86160	3.36118	.07064	.28734	.95522
-10000	4.89474	3.36032	.08437	.29708	.95112
-05006	4.92788	3.35946	.09845	.30953	.94578
-00000	4.96102	3.35860	.10627	.31534	.94301
.05008	4.99416	3.35774	.11488	.31998	.94044
.10020	5.02730	3.35688			
.15045	5.06044	3.35602			
.20060	5.09358	3.35516			
.25060	5.12672	3.35430			
.30060	5.15986	3.35344			
.35060	5.19300	3.35258			
.40050	5.22614	3.35172			

.45031	4.09779	3.29017	.12432	.32263	.93832
.50000	4.09301	3.28496	.13437	.32260	.93695
.54971	4.08512	3.28020	.14652	.31976	.93610
.59956	4.07441	3.27576	.15662	.31517	.93602
.64953	4.06149	3.27148	.16477	.30949	.93552
.74970	4.03158	3.26288	.17646	.29724	.93836
.84997	4.00044	3.25327	.18437	.28666	.94012
.90006	3.98599	3.24773	.18762	.28279	.94065
.95008	3.97312	3.24153	.19060	.28020	.94083
1.00000	3.96248	3.23450	.19328	.27814	.94060
1.05200	3.95385	3.22813	.20143	.27941	.93881
1.10735	3.94646	3.21626	.20766	.28119	.93691
1.16462	3.94010	3.20531	.21264	.28424	.93488
1.27925	3.92958	3.18193	.22045	.29313	.93031
1.38451	3.92058	3.15942	.22768	.30381	.92513
1.46905	3.91135	3.14123	.23856	.31302	.91930
1.50000	3.90611	3.13483	.24931	.31554	.91558
1.52639	3.90002	3.12955	.26189	.31684	.91161
1.55262	3.89286	3.12432	.27447	.31770	.90760
1.57862	3.88467	3.11913	.28708	.31819	.90351
1.60434	3.87547	3.11401	.29978	.31835	.89932
1.62974	3.86529	3.10895	.31262	.31823	.89499
1.65476	3.85418	3.10397	.32567	.31786	.89045
1.67934	3.84215	3.09907	.33901	.31729	.88566
1.70345	3.82923	3.09427	.35274	.31653	.88056
1.72702	3.81547	3.08956	.36696	.31560	.87506
1.75000	3.80088	3.08497	.38179	.31453	.86908

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00194

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 39 NUMBER PTS= 71

.00074	3.64349	3.24042	.31758	.26261	.91114
-.2.00000	3.65468	3.25447	-.30244	.26409	.91585
-1.94910	3.66892	3.26666	-.28657	.26492	.92070
-1.89830	3.68517	3.27688	-.26374	.26592	.92549
-1.84795	3.70636	3.28501	-.25189	.26797	.92992
-1.79840	3.72945	3.29093	-.23318	.27191	.93364
-1.75000	3.74324	3.29267	-.22225	.27562	.93522
-1.72626	3.75958	3.29331	-.21380	.28094	.93561
-1.70265	3.77111	3.29232	-.20388	.29502	.93349
-1.65520	3.78335	3.29008	-.19816	.31110	.92949
-1.60642	3.83635	3.28316	-.19422	.31869	.92775
-1.58115	3.87160	3.28871	-.18842	.32518	.92869
-1.55510	3.88594	3.28902	-.18047	.32987	.92661
-1.52810	3.89716	3.29034	-.17075	.33206	.92768
-1.50000	3.90602	3.29307	-.16401	.33126	.92918
-1.46723	3.91395	3.29720	-.15897	.32817	.93114
-1.42717	3.92121	3.30241	-.15469	.32348	.93351
-1.38111	3.94153	3.32107	-.14170	.30604	.94141
-1.31998	3.95646	3.33267	-.12927	.29680	.94615
-1.10640	3.95646	3.32720	-.12026	.29414	.94813
-1.05185	3.95511	3.32034	-.10914	.29329	.94977
-1.00000	3.97490	3.34044	-.10656	.29379	.94990
-.95026	3.98666	3.34446	-.10333	.29546	.94975
-.92040	4.00060	3.34365	-.09403	.30130	.94888
-.80041	4.03227	3.36414	-.07948	.30875	.94778
-.70022	4.03441	3.34304	-.07055	.31232	.94735
-.65011	4.07694	3.34227	-.05919	.31533	.94713
-.60002	4.03153	3.34154			

-54597	4.10149	3.34099	-04577	.31737	.94720
-50000	4.10814	3.34078	-03032	.31803	.94759
-45006	4.11109	3.34039	-01546	.31683	.94835
-40011	4.11084	3.34153	-00217	.31389	.94946
-35015	4.10804	3.34225	.00941	.30972	.95078
-30017	4.10333	3.34301	.01934	.30483	.95221
-20017	4.09076	3.34406	.03511	.29471	.95494
-10012	4.07825	3.34354	.04702	.28662	.95689
-05007	4.07364	3.34232	.05197	.28408	.95739
-00000	4.07097	3.34028	.05625	.28294	.95749
.05009	4.07054	3.33729	.06281	.28371	.95685
.10032	4.07166	3.33343	.06935	.28651	.95556
.20047	4.07752	3.32373	.08231	.29647	.95149
.30062	4.08347	3.31243	.09632	.30911	.94613
.35061	4.08516	3.30656	.10441	.31503	.94332
.40052	4.08526	3.30076	.11352	.31978	.94067
.45032	4.08320	3.29518	.12370	.32260	.93842
.50000	4.07843	3.28998	.13472	.32277	.93684
.54970	4.07042	3.28523	.14762	.32010	.93581
.59956	4.05944	3.28080	.15827	.31556	.93561
.64954	4.04615	3.27655	.16675	.30984	.93605
.74973	4.01535	3.26801	.17851	.29732	.93794
.85001	3.98334	3.25847	.18589	.28641	.93990
.90010	3.96855	3.25297	.18871	.28241	.94055
.95010	3.95546	3.24678	.19117	.27974	.94085
1.00000	3.94473	3.23976	.19324	.27869	.94074
1.05198	3.93617	3.23139	.20086	.27907	.93903
1.10732	3.92898	3.22151	.20671	.28109	.93716
1.16458	3.92291	3.21055	.21139	.28444	.93510
1.27922	3.91315	3.18712	.21877	.29405	.93042
1.38450	3.90494	3.16457	.22578	.30530	.92510
1.43008	3.90082	3.15470	.23031	.31042	.92228
1.46905	3.89635	3.14635	.23685	.31442	.91926
1.50000	3.89129	3.13994	.24806	.31647	.91559
1.52639	3.88532	3.13456	.26077	.31728	.91177
1.55261	3.87828	3.12942	.27345	.31787	.90785
1.57861	3.87020	3.12423	.28617	.31823	.90379
1.60434	3.86112	3.11909	.29698	.31839	.89958
1.62974	3.85105	3.11401	.31193	.31834	.89519
1.65476	3.84003	3.10902	.32509	.31808	.89059
1.67935	3.82809	3.10411	.33853	.31760	.88573
1.70346	3.81526	3.09929	.35234	.31690	.88059
1.72702	3.80156	3.09458	.36658	.31595	.87510
1.75000	3.78702	3.08999	.38135	.31473	.86921

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00199

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 40 NUMBER PTS= 71

.00076

-2.00000	3.62635
-1.94307	3.62765
-1.89925	3.62005
-1.84730	3.60948
-1.79337	3.68987
-1.75000	3.71316
-1.72329	3.72708
-1.70270	3.74365
-1.65530	3.78180
-1.60655	3.82171

-31726	.25743	.91273
-30136	.25662	.91777
-28490	.25903	.92290
-26758	.25937	.92797
-24926	.26039	.93277
-22997	.26284	.93703
-21891	.26588	.93882
-21047	.27093	.93931
-20124	.28536	.93706
-19664	.30251	.93264

-1.58128	3.84050	3.29399	-1.19308	3.1073	.93088
-1.55520	3.83752	3.29357	-1.18735	.31782	.92946
-1.52816	3.87205	3.29390	-1.17911	.32296	.92931
-1.50000	3.86335	3.29523	-1.16876	.32531	.93043
-1.46717	3.89217	3.29796	-1.16173	.32449	.93198
-1.42706	3.89996	3.30209	-1.15657	.32142	.93390
-1.38059	3.90699	3.30730	-1.15226	.31677	.93620
-1.21988	3.92641	3.32594	-1.13950	.29955	.94383
-1.10635	3.94080	3.33753	-1.12741	.29045	.94837
-1.05183	3.94927	3.34206	-1.11895	.28786	.95026
-1.00000	3.95699	3.34530	-1.10787	.28709	.95181
-95028	3.97078	3.34732	-1.10540	.28751	.95196
-90043	3.98483	3.34850	-1.10200	.28878	.95195
-80044	4.01687	3.34895	-1.09231	.29314	.95160
-70025	4.04947	3.34782	-1.07786	.29869	.95117
-65013	4.06422	3.34703	-1.06837	.30137	.95105
-60004	4.07698	3.34628	-1.05713	.30363	.95108
-54998	4.08705	3.34573	-1.04402	.30519	.95127
-50050	4.09374	3.34551	-1.02907	.30578	.95167
-45006	4.09662	3.34573	-1.01463	.30505	.95222
-40010	4.09620	3.34628	-1.00161	.30323	.95291
-35014	4.09316	3.34702	-1.00988	.30062	.95369
-30016	4.08817	3.34780	-1.01988	.29755	.95450
-20017	4.07496	3.34890	-1.03595	.29115	.95600
-10012	4.06193	3.34842	-1.04786	.28601	.95703
-05007	4.05715	3.34721	-1.05252	.28440	.95727
-00000	4.05441	3.34518	-1.05634	.28367	.95726
.05010	4.05403	3.34219	-1.06206	.28454	.95665
.10023	4.05551	3.33834	-1.06795	.28736	.95541
.20049	4.06168	3.32867	-1.08015	.29716	.95146
.30654	4.06825	3.31740	-1.09415	.30948	.94623
.35062	4.07022	3.31155	-1.10253	.31525	.94348
.40052	4.07055	3.30576	-1.11213	.31991	.94079
.45032	4.06863	3.30019	-1.12301	.32277	.93845
.50000	4.06389	3.29499	-1.13498	.32317	.93667
.54970	4.05577	3.29025	-1.14872	.32075	.93541
.59956	4.04454	3.28583	-1.15998	.31630	.93507
.64955	4.03092	3.28160	-1.16884	.31054	.93545
.74975	3.93927	3.27311	-1.18068	.29763	.93743
.85004	3.96644	3.26362	-1.18747	.28620	.93965
.90012	3.95132	3.25813	-1.19883	.28199	.94045
.95012	3.93802	3.25195	-1.19174	.27916	.94090
1.00000	3.92721	3.24495	-1.19317	.27811	.94092
1.05196	3.91873	3.23658	-1.20023	.27865	.93929
1.10729	3.91174	3.22668	-1.20568	.28098	.93742
1.16455	3.90596	3.21571	-1.21004	.28476	.93531
1.27920	3.89697	3.19225	-1.21698	.29535	.93042
1.38449	3.88956	3.16867	-1.22383	.30732	.92491
1.43008	3.88578	3.15978	-1.22847	.31251	.92203
1.46906	3.88156	3.15142	-1.23533	.31624	.91903
1.50000	3.87666	3.14501	-1.24726	.31760	.91542
1.52639	3.87077	3.13973	-1.25992	.31773	.91186
1.55281	3.86363	3.13448	-1.27256	.31794	.90809
1.57861	3.85584	3.12928	-1.28527	.31817	.90409
1.60434	3.84685	3.12414	-1.29812	.31837	.89987
1.62974	3.83688	3.11905	-1.31116	.31846	.89541
1.65476	3.82595	3.11405	-1.32445	.31839	.89071
1.67926	3.81409	3.10913	-1.33805	.31809	.88575
1.70346	3.80123	3.10431	-1.35199	.31748	.88051
1.72703	3.78769	3.09959	-1.36635	.31650	.87500
1.75000	3.77319	3.09500	-1.38115	.31506	.86917

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00204

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
MOI NUMBER= 41 NUMBER PTS= 71
.00078

-2.00000	3.60950	3.25000	-3.1675	.25159	.91453
-1.94906	3.62088	3.26400	-3.3005	.25249	.91990
-1.89824	3.63546	3.27607	-2.8291	.25257	.92530
-1.84788	3.65310	3.28614	-2.6496	.25230	.93067
-1.79835	3.67369	3.29414	-2.24591	.25222	.93590
-1.75000	3.69710	3.30000	-2.2559	.25291	.94082
-1.72629	3.71111	3.30176	-2.1442	.25509	.94284
-1.70272	3.72785	3.30244	-2.0600	.25974	.94345
-1.65534	3.76655	3.30159	-1.9754	.27436	.94345
-1.60660	3.80710	3.29952	-1.9421	.29246	.94112
-1.56132	3.82618	3.29868	-1.9112	.30127	.93419
-1.55524	3.84344	3.29831	-1.8557	.30890	.93282
-1.52818	3.85813	3.28865	-1.7713	.31446	.93260
-1.50000	3.86950	3.30000	-1.6625	.31696	.93375
-1.46714	3.87828	3.30273	-1.5916	.31611	.93528
-1.42703	3.88593	3.30686	-1.5402	.31309	.93715
-1.38094	3.89274	3.31206	-1.4975	.30856	.93934
-1.21984	3.91132	3.33067	-1.3728	.29182	.94657
-1.16633	3.92522	3.34224	-1.2550	.28301	.95087
-1.05162	3.93355	3.34676	-1.1724	.28054	.95265
-1.00000	3.94320	3.35000	-1.0645	.27988	.95411
-95028	3.95503	3.35201	-1.0378	.28021	.95431
-90044	3.96918	3.35318	-1.0011	.28100	.95447
-80046	4.00159	3.35357	-0.8973	.28356	.95475
-70026	4.03463	3.35238	-0.7475	.28678	.95507
-65014	4.04957	3.35156	-0.6525	.28835	.95530
-60004	4.06250	3.35079	-0.5428	.28969	.95558
-54999	4.07268	3.35022	-0.4175	.29067	.95591
-50000	4.07940	3.35000	-0.2766	.29111	.95629
-45005	4.08222	3.35023	-0.1410	.29105	.95680
-40010	4.08167	3.35080	-0.0170	.29071	.95681
-35013	4.07842	3.35158	-0.0951	.29015	.95693
-30016	4.07317	3.35240	-0.1953	.28947	.95699
-20017	4.05942	3.35361	-0.3613	.28802	.95694
-10013	4.04593	3.35321	-0.4836	.28683	.95676
-05007	4.04100	3.35203	-0.5291	.28645	.95663
0.00000	4.03820	3.35000	-0.5641	.28629	.95648
.05010	4.03787	3.34702	-0.6127	.28724	.95590
.10023	4.03948	3.34318	-0.6648	.28998	.95472
.20049	4.04608	3.33356	-0.7795	.29521	.95100
.30064	4.05317	3.32234	-0.9202	.31084	.94606
.35062	4.05538	3.31652	-1.0070	.31598	.94341
.40052	4.05589	3.31075	-1.1077	.32034	.94080
.45032	4.05410	3.30519	-1.2230	.32314	.93842
.50000	4.04940	3.30000	-1.3512	.32380	.93643
.54970	4.04119	3.29525	-1.4978	.32172	.93491
.59957	4.02976	3.29084	-1.6174	.31741	.93439
.64955	4.01584	3.28661	-1.7104	.31160	.93469
.74376	3.98345	3.27814	-1.8300	.29819	.93680
.85005	3.94988	3.26868	-1.8913	.28603	.93937
.90013	3.93448	3.26317	-1.9099	.28150	.94036
.95013	3.92098	3.25700	-1.9231	.27849	.94099
1.00000	3.91010	3.25003	-1.9307	.27738	.94116
1.05195	3.90169	3.24163	-1.9952	.27812	.93980

1.10728	3.89490	3.23173	.20454	.28086	.93770
1.16454	3.88943	3.22075	.20858	.28520	.93550
1.27919	3.88120	3.19727	.21507	.29708	.93032
1.38449	3.87457	3.17467	.22185	.30997	.92450
1.43008	3.87109	3.16478	.22671	.31520	.92155
1.46906	3.86710	3.15641	.23408	.31853	.91855
1.50000	3.86230	3.15000	.24708	.31893	.91501
1.52639	3.85645	3.14472	.25943	.31819	.91184
1.55261	3.84956	3.13948	.27183	.31793	.90831
1.57861	3.84165	3.13428	.28439	.31802	.90443
1.60434	3.83273	3.12913	.29718	.31829	.90021
1.62974	3.82283	3.12405	.31027	.31861	.89567
1.65477	3.81197	3.11905	.32371	.31881	.89083
1.67936	3.80018	3.11413	.33751	.31876	.88571
1.70346	3.78747	3.10931	.35171	.31829	.88034
1.72703	3.77387	3.10459	.36629	.31726	.87474
1.75000	3.75940	3.10000	.38126	.31553	.86886

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00210

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 42 NUMBER PTS= 73

-2.00000	3.59226	3.25473	-.31528	.25029	.91540
-1.94905	3.60348	3.26870	-.29754	.24507	.92272
-1.89821	3.61809	3.28070	-.27921	.24158	.92935
-1.84783	3.63586	3.29069	-.26035	.23995	.93522
-1.79831	3.65662	3.29863	-.24104	.24037	.94028
-1.75000	3.68014	3.30445	-.22131	.24295	.94446
-1.72633	3.69425	3.30622	-.21158	.24629	.94582
-1.70279	3.71122	3.30693	-.20487	.25216	.94575
-1.67923	3.73025	3.30683	-.20132	.26010	.94436
-1.65137	3.77136	3.30523	-.20039	.28023	.93878
-1.60675	3.79188	3.30424	-.20007	.29130	.93548
-1.58147	3.81132	3.30345	-.19762	.30206	.93258
-1.55536	3.82889	3.30313	-.19175	.31166	.93065
-1.52825	3.84382	3.30352	-.18191	.31907	.93011
-1.50000	3.85531	3.30488	-.16855	.32324	.93119
-1.46707	3.86409	3.30751	-.15972	.32361	.93261
-1.42692	3.87162	3.31173	-.15355	.32114	.93450
-1.38082	3.87824	3.31692	-.14869	.31655	.93685
-1.31976	3.89595	3.33547	-.13586	.29712	.94512
-1.21963	3.90929	3.34701	-.12447	.28560	.95023
-1.10630	3.91743	3.35152	-.11655	.28175	.95238
-1.05161	3.92698	3.35476	-.10619	.27975	.95418
-1.00000	3.93881	3.35676	-.10336	.27882	.95476
-.95028	3.95302	3.35791	-.09942	.27839	.95531
-.90044	3.96890	3.35836	-.09441	.27838	.95582
-.85049	4.00265	3.35775	-.08122	.27932	.95676
-.75037	4.01906	3.35700	-.07296	.28011	.95719
-.70026	4.03416	3.35615	-.06348	.28102	.95760
-.65014	4.04723	3.35535	-.05271	.28196	.95798
-.60004	4.05751	3.35476	-.04058	.28282	.95831
-.54998	4.06428	3.35453	-.02701	.28350	.95859
-.50000	4.06708	3.35477	-.01399	.28395	.95874
-.45006	4.06644	3.35337	-.00196	.28422	.95876
-.40010	4.06306	3.35618	.00303	.28437	.95867
-.35014	4.05764	3.35708	.01897	.28446	.95850
-.30016	4.04354	3.35836	.03568	.28467	.95796
-.20018	4.02976	3.35904	.04816	.28521	.95725
-.10012					

- .05007	4.02475	3.35689	.05277	.28572	.95686
- .00000	4.02195	3.35487	.05625	.28645	.95644
.05010	4.02168	3.35189	.06052	.28790	.95575
.10023	4.02340	3.34807	.06530	.29039	.95468
.20049	4.03035	3.33849	.07649	.29749	.95166
.30064	4.03783	3.32733	.09085	.30557	.94783
.35062	4.04022	3.32153	.09970	.30920	.94576
.40052	4.04088	3.31578	.10987	.31212	.94367
.45032	4.03919	3.31024	.12141	.31398	.94163
.50000	4.03453	3.30505	.13422	.31443	.93975
.54970	4.02627	3.30031	.14907	.31274	.93807
.59957	4.01468	3.29589	.16126	.30910	.93726
.64955	4.00052	3.29165	.17084	.30414	.93718
.74976	3.96754	3.28315	.18334	.29265	.93848
.85005	3.93338	3.27365	.18971	.28242	.94035
.90013	3.91775	3.26816	.19148	.27884	.94106
.95013	3.90411	3.26198	.19253	.27680	.94144
1.00000	3.89320	3.25497	.19279	.27670	.94142
1.05193	3.88493	3.24660	.19867	.27856	.93965
1.10719	3.87844	3.23670	.20324	.28251	.93749
1.16436	3.87337	3.22571	.20691	.28812	.93497
1.27882	3.86610	3.20223	.21292	.30254	.92905
1.38406	3.86030	3.17961	.21984	.31664	.92272
1.42970	3.85705	3.16973	.22521	.32113	.91987
1.48862	3.85311	3.16136	.23352	.32252	.91730
1.50000	3.84811	3.15496	.24801	.32015	.91433
1.52666	3.84194	3.14970	.25963	.31720	.91213
1.55312	3.83470	3.14450	.27139	.31519	.90940
1.57932	3.82641	3.13937	.28337	.31360	.90629
1.60518	3.81709	3.13431	.29555	.31195	.90296
1.63066	3.80676	3.12935	.30789	.30980	.89957
1.65568	3.79543	3.12449	.32027	.30673	.89629
1.68019	3.78313	3.11974	.33254	.30240	.89329
1.70412	3.76986	3.11511	.34451	.29654	.89072
1.72741	3.75564	3.11062	.35597	.28895	.88870
1.75000	3.74050	3.10626	.36671	.27954	.88734

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00218

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 43 NUMBER PTS= 76

.00084

-2.00000	3.57397	3.25971	- .31147	.24836	.91723
-1.97453	3.57882	3.26692	- .30275	.24324	.92151
-1.94902	3.58463	3.27364	- .29379	.23908	.92549
-1.92353	3.59136	3.27987	- .28465	.23582	.92918
-1.87282	3.60744	3.29082	- .26602	.23180	.93568
-1.82281	3.62678	3.29974	- .24721	.23099	.94103
-1.77390	3.64910	3.30558	- .22841	.23322	.94522
-1.75000	3.66129	3.30922	- .21903	.23541	.94689
-1.72643	3.67557	3.31098	- .21100	.23938	.94772
-1.70299	3.69285	3.31171	- .20600	.24589	.94715
-1.67951	3.71231	3.31165	- .20411	.25455	.94527
-1.63178	3.75446	3.31016	- .20595	.26555	.93867
-1.60718	3.77552	3.30922	- .20641	.26876	.93486
-1.58107	3.79548	3.30849	- .20408	.30077	.93161
-1.55568	3.81352	3.30822	- .19751	.31163	.92945
-1.52845	3.82882	3.30864	- .18609	.32028	.92887
-1.50000	3.84056	3.31003	- .17033	.32563	.93003
-1.46688	3.84942	3.31277	- .15977	.32693	.93145

-1.42662	3.85688	-1.15255	.32497	.93334
-1.38047	3.86330	-1.14706	.32043	.93579
-1.21953	3.87998	-1.13378	.29925	.94475
-1.16263	3.88590	-1.12878	.29211	.94768
-1.10622	3.89260	-1.12276	.28590	.95037
-1.05159	3.90046	-1.11515	.28110	.95274
-1.00000	3.90984	-1.10523	.27818	.95475
-1.95028	3.92158	-1.10229	.27640	.95558
-1.90044	3.93577	-1.09816	.27514	.95638
-1.85048	3.95167	-1.09294	.27436	.95713
-1.75036	3.98558	-1.07947	.27393	.95846
-1.70024	4.00209	-1.07120	.27419	.95904
-1.65012	4.01730	-1.06185	.27468	.95954
-1.60003	4.03046	-1.05136	.27535	.95997
-1.54998	4.04083	-1.03964	.27614	.96030
-1.50000	4.04765	-1.02660	.27697	.96051
-1.45006	4.05647	-1.01407	.27772	.96056
-1.40011	4.04982	-1.00240	.27840	.96046
-1.35015	4.04641	-1.00837	.27905	.96024
-1.30017	4.04095	-1.01819	.27971	.95981
-1.20018	4.02675	-1.03494	.28119	.95902
-1.10012	4.01293	-1.04761	.28310	.95791
-1.05007	4.00794	-1.05229	.28429	.95731
-1.00000	4.00519	-1.05578	.28569	.95670
.05010	4.00502	-1.05978	.28747	.95592
.10022	4.00687	-1.06436	.28972	.95494
.20048	4.01411	-1.07553	.29507	.95249
.30063	4.02188	-1.09017	.30050	.94951
.40052	4.02440	-1.09912	.30283	.94788
.50032	4.02517	-1.09929	.30466	.94617
.60000	4.02356	-1.1071	.30580	.94441
.70000	4.01894	-1.1334	.30608	.94262
.80000	4.01064	-1.14835	.30471	.94082
.90013	3.99893	-1.16075	.30165	.93977
1.00000	3.98459	-1.17058	.29746	.93937
1.05186	3.9676	-1.18357	.29476	.93994
1.10694	3.95115	-1.19012	.29335	.94118
1.16386	3.91657	-1.19177	.29664	.94165
1.22782	3.90080	-1.19250	.29543	.94185
1.38289	3.87623	-1.19220	.29616	.94170
1.42868	3.86819	-1.19746	.29990	.93980
1.46817	3.86215	-1.20157	.28385	.93744
1.50000	3.85769	-1.20487	.29060	.93466
1.52742	3.85175	-1.21046	.30745	.92800
1.55453	3.84687	-1.21787	.32689	.92109
1.58125	3.84374	-1.22410	.32636	.91830
1.60748	3.83957	-1.23378	.32581	.91608
1.63315	3.83394	-1.25017	.32105	.91342
1.65817	3.82683	-1.26110	.31642	.91198
1.68245	3.81858	-1.27236	.31303	.90985
1.70590	3.80918	-1.28405	.31019	.90725
1.72345	3.79865	-1.29616	.30728	.90436
1.75000	3.78702	-1.30863	.30377	.90137
	3.77428	-1.32131	.29920	.89846
	3.76045	-1.33405	.29319	.89579
	3.74556	-1.34664	.28548	.89350
	3.72961	-1.35885	.27589	.89169
	3.71261	-1.37047	.26434	.89043

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00227

8800-0000

44 NUMBER PTJ = 78

2.00000	3.35481
1.97452	3.55917
1.94898	3.56459
1.923-5	3.57103
1.89799	3.57845
1.87265	3.58679
1.84750	3.59602
1.79801	3.61695
1.75000	3.64088
1.72657	3.65539
1.70328	3.67307
1.67993	3.69305
1.65238	3.73648
1.60781	3.75822
1.58246	3.77882
1.55617	3.79746
1.52874	3.81324
1.50000	3.82532
1.46661	3.83433
1.42618	3.84174
1.37997	3.84797
1.32920	3.86350
1.26241	3.86898
1.10611	3.87527
1.05155	3.88279
1.00000	3.89193
-.95029	3.90353
-.90044	3.91763
-.85048	3.93348
-.75035	3.96740
-.70023	3.98395
-.65010	3.99923
-.60001	4.01246
-.54996	4.02290
-.50000	4.02978
-.45008	4.03265
-.40013	4.03205
-.35017	4.02869
-.30019	4.02329
-.20018	4.00921
-.10012	3.99555
-.05006	3.99066
-.00000	3.98802
-.05009	3.98797
-.10021	3.98994
-.20046	3.99742
-.30061	4.00542
-.35060	4.00803
-.40051	4.00887
-.45031	4.00732
-.50000	4.00273
-.54971	3.99441
-.59958	3.98262
-.64957	3.96815
-.69964	3.95180
-.79952	3.91668
-.89905	3.85951

-30596	-28974	-28038	-27146	-26248	-25349	-23564	-21805	-21189	-20858	-20816	-21200	-21278	-21011	-15111	-14500	-13122	-12634	-12052	-11322	-10374	-10069	-96644	-99111	-97758	-66941	-60627	-05011	-03883	-02633	-01428	-00298	-00753	-01722	-03394	-04677	-05154	-05510	-05906	-06364	-07499	-08989	-09888	-10898	-12017	-13249	-14761	-16017	-17021	-17793	-18770	-19038
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

[illegible]

9.1977
9.2419
9.2824
9.3193
9.3529
9.3831
9.4099
9.4541
9.4860
9.5086
9.5277
9.5457
9.5659
9.5855
9.6013
9.6174
9.6328
9.6482
9.6687
9.6841
9.6995
9.7148
9.7301
9.7454
9.7607
9.7760
9.7913
9.8066
9.8219
9.8372
9.8525
9.8678
9.8831
9.8984
9.9137
9.9290
9.9443
9.9596
9.9749
9.9902
10.0055
10.0208
10.0361
10.0514
10.0667
10.0820
10.0973
10.1126
10.1279
10.1432
10.1585
10.1738
10.1891
10.2044
10.2197
10.2350
10.2503
10.2656
10.2809
10.2962
10.3115
10.3268
10.3421
10.3574
10.3727
10.3880
10.4033
10.4186
10.4339
10.4492
10.4645
10.4798
10.4951
10.5104
10.5257
10.5410
10.5563
10.5716
10.5869
10.6022
10.6175
10.6328
10.6481
10.6634
10.6787
10.6940
10.7093
10.7246
10.7399
10.7552
10.7705
10.7858
10.8011
10.8164
10.8317
10.8470
10.8623
10.8776
10.8929
10.9082
10.9235
10.9388
10.9541
10.9694
10.9847
10.9999
11.0152
11.0305
11.0458
11.0611
11.0764
11.0917
11.1070
11.1223
11.1376
11.1529
11.1682
11.1835
11.1988
11.2141
11.2294
11.2447
11.2600
11.2753
11.2906
11.3059
11.3212
11.3365
11.3518
11.3671
11.3824
11.3977
11.4130
11.4283
11.4436
11.4589
11.4742
11.4895
11.5048
11.5201
11.5354
11.5507
11.5660
11.5813
11.5966
11.6119
11.6272
11.6425
11.6578
11.6731
11.6884
11.7037
11.7190
11.7343
11.7496
11.7649
11.7802
11.7955
11.8108
11.8261
11.8414
11.8567
11.8720
11.8873
11.9026
11.9179
11.9332
11.9485
11.9638
11.9791
11.9944
12.0097
12.0250
12.0403
12.0556
12.0709
12.0862
12.1015
12.1168
12.1321
12.1474
12.1627
12.1780
12.1933
12.2086
12.2239
12.2392
12.2545
12.2698
12.2851
12.3004
12.3157
12.3310
12.3463
12.3616
12.3769
12.3922
12.4075
12.4228
12.4381
12.4534
12.4687
12.4840
12.4993
12.5146
12.5299
12.5452
12.5605
12.5758
12.5911
12.6064
12.6217
12.6370
12.6523
12.6676
12.6829
12.6982
12.7135
12.7288
12.7441
12.7594
12.7747
12.7900
12.8053
12.8206
12.8359
12.8512
12.8665
12.8818
12.8971
12.9124
12.9277
12.9430
12.9583
12.9736
12.9889
12.9999
13.0152
13.0305
13.0458
13.0611
13.0764
13.0917
13.1070
13.1223
13.1376
13.1529
13.1682
13.1835
13.1988
13.2141
13.2294
13.2447
13.2600
13.2753
13.2906
13.3059
13.3212
13.3365
13.3518
13.3671
13.3824
13.3977
13.4130
13.4283
13.4436
13.4589
13.4742
13.4895
13.5048
13.5201
13.5354
13.5507
13.5660
13.5813
13.5966
13.6119
13.6272
13.6425
13.6578
13.6731
13.6884
13.7037
13.7190
13.7343
13.7496
13.7649
13.7802
13.7955
13.8108
13.8261
13.8414
13.8567
13.8720
13.8873
13.9026
13.9179
13.9332
13.9485
13.9638
13.9791
13.9944
14.0097
14.0250
14.0403
14.0556
14.0709
14.0862
14.1015
14.1168
14.1321
14.1474
14.1627
14.1780
14.1933
14.2086
14.2239
14.2392
14.2545
14.2698
14.2851
14.3004
14.3157
14.3310
14.3463
14.3616
14.3769
14.3922
14.4075
14.4228
14.4381
14.4534
14.4687
14.4840
14.4993
14.5146
14.5299
14.5452
14.5605
14.5758
14.5911
14.6064
14.6217
14.6370
14.6523
14.6676
14.6829
14.6982
14.7135
14.7288
14.7441
14.7594
14.7747
14.7900
14.8053
14.8206
14.8359
14.8512
14.8665
14.8818
14.8971
14.9124
14.9277
14.9430
14.9583
14.9736
14.9889
14.9999
15.0152
15.0305
15.0458
15.0611
15.0764
15.0917
15.1070
15.1223
15.1376
15.1529
15.1682
15.1835
15.1988
15.2141
15.2294
15.2447
15.2600
15.2753
15.2906
15.3059
15.3212
15.3365
15.3518
15.3671
15.3824
15.3977
15.4130
15.4283
15.4436
15.4589
15.4742
15.4895
15.5048
15.5201
15.5354
15.5507
15.5660
15.5813
15.5966
15.6119
15.6272
15.6425
15.6578
15.6731
15.6884
15.7037
15.7190
15.7343
15.7496
15.7649
15.7802
15.7955
15.8108
15.8261
15.8414
15.8567
15.8720
15.8873
15.9026
15.9179
15.9332
15.9485
15.9638
15.9791
15.9944
16.0097
16.0250
16.0403
16.0556
16.0709
16.0862
16.1015
16.1168
16.1321
16.1474
16.1627
16.1780
16.1933
16.2086
16.2239
16.2392
16.2545
16.2698
16.2851
16.3004
16.3157
16.3310
16.3463
16.3616
16.3769
16.3922
16.

.94215
.94221
.94199
.94004
.93756
.93457
.92335
.91978
.91700
.91498
.91239
.91148
.90979
.90753
.90486
.90192
.89887
.89583
.89291
.89020
.88778

.27485
.27437
.27574
.27913
.28487
.29254
.32074
.32768
.33051
.33266
.32167
.31587
.31138
.30750
.30362
.29920
.29376
.28989
.28689
.27924
.26755
.25464

.19188
.19227
.19139
.19598
.19558
.20250
.21109
.21594
.22331
.23466
.25311
.26350
.27444
.28606
.29640
.31146
.32517
.33939
.35398
.36873
.38341

3.27817
3.27197
3.26495
3.25657
3.24665
3.23564
3.20046
3.18948
3.17960
3.17127
3.16492
3.15980
3.15489
3.15019
3.14573
3.14153
3.13760
3.13396
3.13062
3.12762
3.12495

3.88367
3.85996
3.85918
3.85145
3.84600
3.84229
3.83621
3.83407
3.83097
3.82638
3.81976
3.81128
3.80148
3.79039
3.77800
3.76435
3.74945
3.73331
3.71596
3.69740
3.67766

.90013
.95012
1.00000
1.05178
1.10856
1.16312
1.23046
1.38116
1.42717
1.46722
1.50000
1.52853
1.55860
1.58408
1.61087
1.63682
1.66183
1.68578
1.70853
1.72958
1.75000

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00238

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00093

MDI NUMBER= 45 NUMBER PTS= 80

.92279
.92708
.93095
.93448
.93765
.94047
.94297
.94514
.94700
.94856
.94983
.94978
.94851
.94607
.93871
.93480
.93165
.92986
.92981
.93152
.93313
.93506
.93753
.94353
.94978
.95257
.95503
.95711
.95917
.96011
.96173
.96239

.24254
.23522
.22945
.22504
.22167
.21984
.21888
.21890
.21986
.22169
.22434
.22861
.23337
.24429
.26711
.27995
.29272
.30444
.31403
.32042
.32374
.32151
.31720
.30332
.28748
.28055
.27498
.27123
.26865
.26563
.26510
.26339
.26313

-.29937
-.29193
-.28405
-.27589
-.26757
-.25919
-.25080
-.24246
-.23420
-.22602
-.21792
-.21367
-.21197
-.21279
-.21790
-.21857
-.21529
-.20659
-.19193
-.17205
-.15844
-.14932
-.14264
-.13280
-.12357
-.11794
-.11092
-.10184
-.09868
-.09434
-.08898
-.07555
-.06755

3.27012
3.27731
3.28400
3.29021
3.29591
3.30111
3.30581
3.30999
3.31365
3.31678
3.31939
3.32114
3.32189
3.32187
3.32052
3.31967
3.31902
3.31883
3.31934
3.32078
3.32355
3.32768
3.33283
3.34490
3.35718
3.36257
3.36704
3.37026
3.37225
3.37338
3.37379
3.37310
3.37230

3.53496
3.53871
3.54365
3.54971
3.55685
3.56500
3.57413
3.58417
3.59507
3.60677
3.61923
3.63402
3.65216
3.67275
3.71766
3.74019
3.76155
3.78086
3.79721
3.80969
3.81889
3.82627
3.83230
3.84201
3.85158
3.85742
3.86454
3.87341
3.88482
3.89878
3.91453
3.94838
3.96492

.00093
-2.00000
-1.97451
-1.94852
-1.92335
-1.89783
-1.87244
-1.84726
-1.82235
-1.79780
-1.77365
-1.75000
-1.72675
-1.70363
-1.68044
-1.65311
-1.60857
-1.58318
-1.55675
-1.52909
-1.50000
-1.46627
-1.42564
-1.37935
-1.27470
-1.16214
-1.10597
-1.05151
-1.00000
-.95029
-.90044
-.85048
-.75033
-.70020

- .65006	3.90021	3.37141	- .05868	.26322	.96295
- .59998	3.99348	3.37058	- .04889	.26363	.96339
- .54365	4.00397	3.36997	- .03808	.26431	.96369
- .50000	4.01092	3.36973	- .02614	.26522	.96383
- .45009	4.01337	3.36997	- .01438	.26629	.96378
- .40015	4.01337	3.37058	- .00368	.26747	.96356
- .35019	4.01013	3.37140	.00655	.26878	.96318
- .30021	4.00437	3.37229	.01605	.27022	.96266
- .20019	3.99109	3.37361	.03270	.27353	.96131
- .10011	3.97775	3.37332	.04569	.27736	.95968
- .05006	3.97301	3.37218	.05059	.27943	.95883
- .00000	3.97052	3.37016	.05427	.28158	.95800
.05008	3.97061	3.36719	.05840	.28361	.95716
.10020	3.97270	3.36339	.06314	.28539	.95633
.20044	3.98039	3.35387	.07483	.28818	.95465
.30059	3.98854	3.34278	.08995	.29005	.95278
.35058	3.99122	3.33701	.09891	.29066	.95170
.40049	3.99211	3.33129	.10883	.29107	.95049
.45031	3.99060	3.32577	.11975	.29130	.94911
.50000	3.98604	3.32058	.13165	.29136	.94751
.54372	3.97772	3.31582	.14680	.29049	.94555
.59959	3.96586	3.31136	.15947	.28848	.94411
.64957	3.95130	3.30706	.16969	.28574	.94316
.69965	3.93484	3.30279	.17763	.28264	.94264
.74992	3.89951	3.29377	.18777	.27675	.94242
.79995	3.84227	3.28874	.19047	.27462	.94250
.85002	3.86641	3.28319	.19184	.27347	.94256
.90012	3.85274	3.27697	.19188	.27362	.94250
.95012	3.84209	3.26995	.19044	.27544	.94227
1.00000	3.83472	3.26156	.19429	.27925	.94035
1.05163	3.82993	3.25164	.19736	.28552	.93783
1.10611	3.82707	3.24061	.19988	.29385	.93472
1.16222	3.82344	3.20539	.20843	.32420	.92274
1.22840	3.82169	3.19441	.21406	.33117	.91897
1.37906	3.81857	3.18454	.22276	.33329	.91613
1.42535	3.81342	3.17623	.23590	.32977	.91411
1.46606	3.80559	3.16992	.25636	.32205	.91135
1.50000	3.79542	3.16491	.26654	.31553	.91071
1.52988	3.78370	3.16020	.27737	.31011	.90934
1.55911	3.77045	3.15583	.28908	.30526	.90733
1.58753	3.75572	3.15181	.30184	.30050	.90476
1.61498	3.73952	3.14816	.31575	.29532	.90171
1.64128	3.72189	3.14491	.33090	.28924	.89825
1.66628	3.70285	3.14208	.34732	.28180	.89440
1.68982	3.68243	3.13969	.36501	.27253	.89022
1.71173	3.66066	3.13776	.38390	.26097	.88573
1.73184	3.63756	3.13631	.40386	.24666	.88094

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00249

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00099
MDI NUMBER= 46 NUMBER PTS= 81

-2.00000	3.51461	3.27542	- .29235	.23848	.92610
-1.97449	3.51769	3.28259	- .28581	.23102	.93002
-1.94888	3.52207	3.28928	- .27876	.22516	.93359
-1.92324	3.52770	3.29548	- .27138	.22071	.93682
-1.89766	3.53450	3.30119	- .26381	.21753	.93973
-1.87222	3.54242	3.30640	- .25615	.21550	.94231
-1.84700	3.55140	3.31110	- .24847	.21454	.94458

-1.82239	3.56137	3.31528	-24082	.21457	.94555
-1.79756	3.57229	3.31894	-23324	.21552	.94824
-1.77350	3.58408	3.32207	-22572	.21733	.94964
-1.75000	3.59668	3.32466	-21827	.21994	.95078
-1.72694	3.61177	3.32640	-21586	.22404	.95037
-1.70401	3.63042	3.32714	-21557	.23053	.94889
-1.68100	3.65168	3.32713	-21736	.23910	.94635
-1.65891	3.67423	3.32580	-22292	.26113	.93921
-1.63391	3.69823	3.32497	-22312	.27358	.93561
-1.60940	3.72161	3.32497	-22312	.28601	.93287
-1.58396	3.74381	3.32435	-21896	.29746	.93157
-1.55739	3.76386	3.32419	-20905	.30687	.93198
-1.52948	3.78083	3.32472	-19299	.31320	.93405
-1.50000	3.79375	3.32520	-17162	.31562	.93580
-1.46590	3.80316	3.32899	-15701	.31460	.93774
-1.42506	3.81053	3.33313	-14721	.31065	.94015
-1.37868	3.81634	3.33827	-14009	.29721	.94594
-1.32712	3.82526	3.35031	-12905	.28185	.95184
-1.27412	3.83380	3.36254	-12066	.27509	.95450
-1.21382	3.83915	3.36791	-11517	.26962	.95685
-1.15362	3.84566	3.37237	-10838	.26589	.95884
-1.09147	3.85442	3.37558	-10065	.26329	.95989
-1.02800	3.86563	3.37758	-96636	.26122	.96089
-95029	3.87942	3.37870	-91995	.25965	.96181
-90044	3.89504	3.37911	-86659	.25783	.96340
-85047	3.91333	3.37842	-81338	.25751	.96405
-80031	3.92870	3.37762	-76581	.25754	.96458
-75031	3.94522	3.37673	-71705	.25790	.96500
-70018	3.96051	3.37590	-66765	.25854	.96528
-65005	3.97380	3.37529	-61732	.25943	.96541
-59996	3.98433	3.37506	-56595	.26054	.96535
-54993	3.99133	3.37529	-51494	.26187	.96509
-50000	3.99438	3.37589	-46447	.26342	.96467
-45011	3.99402	3.37670	-41542	.26518	.96409
-40018	3.99095	3.37756	-36542	.26920	.96258
-35021	3.98588	3.37885	-31525	.27369	.96079
-30023	3.97254	3.37852	-26543	.27600	.95988
-25019	3.95963	3.37737	-21549	.27826	.95902
-20010	3.95509	3.37535	-16583	.28023	.95819
-15000	3.95277	3.37238	-11603	.28176	.95742
-10018	3.95300	3.36858	-66284	.28369	.95598
-50000	3.95521	3.35905	-16498	.28449	.95442
-20042	3.96308	3.34796	-9026	.28459	.95118
-30057	3.97135	3.33647	.09914	.28458	.94968
-35057	3.97500	3.33647	.09914	.28391	.94768
-40048	3.97351	3.33094	.10885	.28243	.94608
-45030	3.96899	3.32576	.11941	.28042	.94489
-50000	3.96067	3.32099	.13084	.27819	.94406
-54372	3.94878	3.31651	.14592	.27416	.94320
-59959	3.93416	3.31220	.15861	.27289	.94302
-64958	3.91762	3.30790	.16896	.27246	.94289
-69966	3.88217	3.29883	.17711	.27315	.94274
-75032	3.85490	3.29379	.18733	.27525	.94253
-80005	3.82496	3.28199	.19039	.27926	.94072
-85012	3.81797	3.26353	.19165	.28578	.93825
-90012	3.81389	3.25663	.19139	.29448	.93512
-95000	3.81192	3.24359	.18942	.30174	.93152
-1.00000	3.81120	3.22199	.19249	.30574	.92774
-1.05149	3.81067	3.21033	.19499	.32592	.92274
-1.10561	3.80951	3.19934	.19709	.33285	.91879
-1.16125	3.80851		.20174		
-1.22263	3.80757		.20574		
-1.28316	3.80677		.21222		
-1.34577	3.80591				

1.42335	3.80634	2.2232	.33452	.91579
1.46480	3.80058	.23724	.33036	.91355
1.50000	3.79143	.25953	.32222	.91039
1.53135	3.77938	.26996	.31532	.90978
1.56185	3.76549	.28095	.30905	.90860
1.59129	3.74982	.29288	.30321	.90680
1.61945	3.73240	.30609	.29749	.90433
1.64613	3.71329	.32090	.29152	.90113
1.67113	3.69254	.33768	.28486	.89712
1.69422	3.67021	.35677	.27697	.89219
1.71520	3.64635	.37855	.26723	.88617
1.73386	3.62101	.40339	.25483	.87883
1.75000	3.59423	.43164	.23884	.86985

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00266

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00105

MDI NUMBER= 47 NUMBER PTS= 81

-2.00000	3.49392	-.28552	.23348	.92950
-1.97448	3.49633	-.27986	.22645	.93295
-1.94802	3.50014	-.27366	.22093	.93611
-1.92313	3.50530	-.26709	.21673	.93898
-1.89749	3.51173	-.26030	.21374	.94157
-1.87199	3.51938	-.25339	.21183	.94389
-1.84674	3.52818	-.24644	.21093	.94593
-1.82182	3.53806	-.23949	.21096	.94770
-1.79733	3.54896	-.23256	.21184	.94923
-1.77336	3.56082	-.22566	.21353	.95052
-1.75000	3.57357	-.21877	.21597	.95158
-1.72713	3.58897	-.21800	.21971	.95089
-1.70439	3.60815	-.21883	.22569	.94930
-1.68156	3.63241	-.22118	.23362	.94684
-1.65470	3.65702	-.22630	.25411	.94033
-1.62722	3.68240	-.23022	.25573	.93728
-1.59474	3.70770	-.23567	.27738	.93512
-1.55803	3.72577	-.24047	.28812	.93441
-1.52986	3.74661	-.24943	.29697	.93532
-1.50000	3.76422	-.25931	.30291	.93773
-1.46554	3.77760	-.27004	.30517	.93960
-1.42448	3.78721	-.28496	.30425	.94152
-1.37802	3.79455	-.30482	.30061	.94379
-1.32355	3.80015	-.33745	.28820	.94911
-1.27355	3.80825	-.36785	.27400	.95449
-1.21574	3.81574	-.41178	.26774	.95691
-1.15566	3.82059	-.451237	.26268	.95907
-1.09142	3.82688	-.49574	.25923	.96091
-1.00000	3.83514	-.54927	.25681	.96190
-.95030	3.84613	-.60380	.25491	.96283
-.90044	3.85974	-.65932	.25347	.96369
-.85047	3.87521	-.71578	.25182	.96516
-.79529	3.89866	-.77107	.25155	.96578
-.70016	3.92512	-.82636	.25160	.96625
-.65003	3.94037	-.88154	.25194	.96663
-.59994	3.95366	-.93651	.25255	.96690
-.54992	3.96422	-.99153	.25337	.96703
-.50000	3.97128	-.10452	.25448	.96696
-.45012	3.97444	-.11532	.25593	.96668
-.40020	3.97424	-.12535	.25770	.96622
-.35024	3.97137	-.13522	.25973	.96559
-.30025	3.96654			

-20020	3.85372	3.38406	.02962	.26441	.96396
-1.0010	3.94131	3.38369	.04302	.26943	.96206
-05005	3.93700	3.38253	.04830	.27185	.96113
-00000	3.93486	3.38050	.05251	.27407	.96027
.05006	3.93522	3.37754	.05738	.27586	.95948
.10017	3.93755	3.37373	.06275	.27714	.95878
.20040	3.94558	3.36420	.07537	.27845	.95749
.30055	3.95395	3.35309	.09077	.27859	.95611
.35055	3.95670	3.34732	.09952	.27842	.95529
.40047	3.95705	3.34159	.10897	.27820	.95432
.45029	3.95619	3.33606	.11914	.27802	.95316
.50000	3.95170	3.33087	.13004	.27796	.95175
.54973	3.94339	3.32610	.14193	.27749	.94973
.59960	3.93148	3.32162	.15756	.27654	.94800
.64959	3.91682	3.31129	.16799	.27532	.94656
.69966	3.90024	3.31298	.17632	.27402	.94542
.74992	3.88472	3.30388	.18728	.27195	.94391
.79995	3.87146	3.29382	.19014	.27155	.94345
.85005	3.85746	3.28324	.19134	.27182	.94313
.90012	3.84165	3.27000	.19083	.27296	.94291
.95012	3.82779	3.27997	.18842	.27518	.94275
1.00000	3.80120	3.27157	.19066	.27913	.94114
1.05136	3.79782	3.26162	.19257	.28563	.93879
1.10512	3.79676	3.25055	.19426	.29430	.93576
1.16027	3.79791	3.22694	.19872	.31565	.92783
1.22069	3.78830	3.21526	.20311	.32569	.92340
1.28392	3.77726	3.20428	.21043	.33252	.91932
1.34749	3.76331	3.19443	.22183	.33414	.91605
1.42136	3.74716	3.18617	.23841	.33007	.91335
1.46354	3.73861	3.17516	.26242	.32220	.90957
1.50000	3.72890	3.17094	.27359	.31519	.90874
1.53282	3.71647	3.16730	.28502	.30806	.90767
1.56458	3.70861	3.16427	.29721	.30105	.90611
1.59504	3.69640	3.16189	.31073	.29417	.90383
1.62362	3.68235	3.16016	.32622	.28726	.90059
1.65099	3.66855	3.15913	.34444	.27994	.89610
1.67597	3.650910	3.15682	.36629	.27105	.88996
1.69862	3.63609	3.15926	.39289	.26155	.88161
1.71868	3.62009	3.16046	.42567	.24838	.87012
1.73569			.46639	.23030	.85407
1.75000					

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00297

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 48 NUMBER PTS= 80

-2.00000	3.47307	3.28585	-.27949	.22737	.93284
-1.97447	3.47485	3.29299	-.27454	.21133	.93576
-1.94577	3.47813	3.29968	-.26906	.21655	.93846
-1.92303	3.48282	3.30590	-.26323	.21290	.94095
-1.89733	3.48868	3.31164	-.25717	.21029	.94321
-1.87178	3.49624	3.31688	-.25097	.20863	.94524
-1.84650	3.50482	3.32162	-.24469	.20785	.94706
-1.82157	3.51458	3.32583	-.23936	.20787	.94867
-1.79711	3.52544	3.32951	-.23260	.20864	.95008
-1.77322	3.53734	3.33264	-.22500	.21011	.95129
-1.75000	3.55021	3.33521	-.21914	.21223	.95233
-1.72730	3.56591	3.33691	-.21907	.21545	.95149
-1.70474	3.58364	3.33762	-.22117	.22069	.94994
-1.68207	3.60354	3.33757	-.22355	.22768	.94773

-1.63543	3.65350	-1.22719	.24583	.94231
-1.61093	3.68364	-1.22541	.25620	.93998
-1.58546	3.70751	-1.21907	.26661	.93858
-1.55822	3.72925	-1.20714	.27624	.93950
-1.53321	3.74751	-1.18947	.28414	.93987
-1.50000	3.76132	-1.16706	.28938	.94253
-1.46520	3.77112	-1.15222	.29125	.94446
-1.42335	3.77841	-1.14216	.29034	.94630
-1.37750	3.78378	-1.13442	.28709	.94837
-1.27302	3.79104	-1.12430	.27619	.95303
-1.16128	3.79750	-1.11509	.26382	.95768
-1.10552	3.80186	-1.10970	.25840	.95979
-1.05138	3.80774	-1.10314	.25403	.96168
-1.00000	3.81571	-1.09479	.25108	.96331
-95030	3.82650	-1.09108	.24907	.96419
-90044	3.83993	-1.08650	.24751	.96502
-85046	3.85525	-1.08118	.24636	.96577
-79028	3.85847	-1.06860	.24516	.96705
-70013	3.90485	-1.06138	.24503	.96757
-65000	3.92006	-1.05351	.24517	.96800
-59991	3.93333	-1.04494	.24554	.96834
-54990	3.94391	-1.03560	.24611	.96859
-50000	3.95102	-1.02540	.24683	.96872
-45014	3.95428	-1.01569	.24789	.96866
-40022	3.95425	-1.00630	.24945	.96837
-35026	3.95161	-1.00279	.25142	.96787
-30027	3.94703	-1.01157	.25374	.96720
-20020	3.93478	-1.02781	.25904	.96547
-10009	3.92292	-1.04151	.26449	.96349
-05004	3.91882	-1.04710	.26693	.96256
-00000	3.91686	-1.05173	.26896	.96176
.05006	3.91735	-1.05708	.27047	.96104
.10015	3.91979	-1.06284	.27149	.96039
.20038	3.92797	-1.07596	.27239	.95918
.30053	3.93643	-1.09139	.27225	.95788
.35053	3.93921	-1.09998	.27198	.95709
.40046	3.94020	-1.09151	.27170	.95617
.45029	3.93876	-1.11890	.27146	.95508
.50000	3.93429	-1.12926	.27136	.95376
.54973	3.92599	-1.14379	.27109	.95175
.59961	3.91408	-1.15625	.27071	.94989
.64960	3.89940	-1.16670	.27034	.94822
.74979	3.86513	-1.18185	.26993	.94555
.85004	3.83001	-1.18970	.27059	.94382
.90012	3.81425	-1.19092	.27154	.94330
.95011	3.80084	-1.19024	.27305	.94300
1.00000	3.79062	-1.18751	.27521	.94292
1.05123	3.78430	-1.18868	.27886	.94157
1.10467	3.78169	-1.19021	.28503	.93946
1.15938	3.78148	-1.19152	.29333	.93663
1.26891	3.78443	-1.19586	.31378	.92908
1.32167	3.78551	-1.20062	.32344	.92474
1.37239	3.78495	-1.20866	.33019	.92056
1.41954	3.78172	-1.21116	.33221	.91691
1.46238	3.77478	-1.23919	.32697	.91355
1.50000	3.76310	-1.26478	.32202	.90895
1.53117	3.74734	-1.27729	.31505	.90766
1.56710	3.72897	-1.28941	.30692	.90666
1.59849	3.70812	-1.30178	.29846	.90546
1.62803	3.68495	-1.31523	.29010	.90359
1.65544	3.65961	-1.33079	.28195	.90060

1.68042	3.60225	3.16775	.34972	.27379	.89595
1.70266	3.60302	3.16758	.37370	.26508	.88887
1.72187	3.57206	3.16825	.40507	.23479	.87806
1.73775	3.53953	3.16975	.44735	.24110	.86125
1.75000	3.50558	3.17222	.50588	.32060	.83392

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00323

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 49 NUMBER PTS= 81

-2.00000	3.45225	3.29083	-27483	.21994	.93600
-1.97446	3.45351	3.29197	-27026	.21544	.93837
-1.94873	3.45630	3.30467	-26528	.21182	.94061
-1.92294	3.46058	3.31091	-26002	.20904	.94270
-1.89720	3.46628	3.31667	-25455	.20703	.94464
-1.87161	3.47333	3.32194	-24894	.20575	.94641
-1.84630	3.48169	3.32671	-24320	.20514	.94803
-1.82137	3.49129	3.33095	-23737	.20517	.94951
-1.79693	3.50208	3.33464	-23142	.20577	.95084
-1.77311	3.51398	3.33778	-22535	.20693	.95205
-1.75000	3.52694	3.34035	-21910	.20860	.95314
-1.72745	3.54293	3.34203	-21204	.21111	.95229
-1.70503	3.56319	3.34270	-22197	.21533	.95098
-1.68249	3.58661	3.34261	-22372	.22105	.94925
-1.66004	3.63845	3.34114	-22468	.23607	.94541
-1.61161	3.66464	3.34025	-22142	.24470	.94398
-1.58605	3.68950	3.33959	-21397	.25341	.94340
-1.55910	3.71193	3.33942	-20150	.26148	.94394
-1.53050	3.73080	3.33997	-18400	.26806	.94567
-1.50000	3.74500	3.34150	-16243	.27229	.94841
-1.46492	3.75493	3.34437	-14867	.27359	.95029
-1.42351	3.76215	3.34855	-13925	.27265	.95198
-1.37639	3.76728	3.35372	-13229	.26987	.95377
-1.32621	3.77092	3.35956	-12678	.26580	.95566
-1.27116	3.77625	3.37201	-11751	.25595	.95952
-1.21106	3.77916	3.37797	-11275	.25112	.96137
-1.10541	3.78306	3.38333	-10730	.24685	.96309
-1.05135	3.78856	3.38777	-10067	.24346	.96467
-1.00000	3.79629	3.39097	-09226	.24126	.96607
-95030	3.80691	3.39297	-08823	.23982	.96680
-90044	3.82019	3.39412	-08351	.23878	.96748
-85046	3.83537	3.39566	-07819	.23810	.96809
-75026	3.86837	3.39593	-06595	.23760	.96912
-70012	3.88468	3.39317	-05902	.23770	.96954
-64998	3.89983	3.39231	-05151	.23799	.96990
-59990	3.91308	3.39151	-04337	.23843	.97019
-54989	3.92367	3.39091	-03453	.23896	.97041
-50000	3.93082	3.39068	-02492	.23955	.97056
-45015	3.93417	3.39091	-01603	.24053	.97051
-40024	3.93431	3.39147	-00731	.24218	.97020
-35028	3.93189	3.39223	.00129	.24438	.96968
-30028	3.92757	3.39304	.00974	.24700	.96897
-20021	3.91589	3.39411	.02563	.25296	.96713
-10079	3.90456	3.39378	.03994	.25878	.96511
-05003	3.90067	3.39259	.04593	.26114	.96421
-00000	3.89886	3.39056	.05111	.26286	.96348
.05205	3.89947	3.38759	.05695	.26397	.96285
.10014	3.90199	3.38377	.06312	.26473	.96225
.20036	3.91033	3.37420	.07669	.26544	.96107

.30052	3.91690	3.36305	.09209	.26537	.95974
.35052	3.92172	3.38726	.10048	.26518	.95895
.40045	3.92274	3.35151	.10934	.26496	.95804
.45028	3.92134	3.34597	.11867	.26476	.95698
.50000	3.91689	3.34078	.12850	.26463	.95575
.54974	3.90861	3.33601	.14243	.26457	.95378
.59562	3.89669	3.33153	.15406	.26483	.95181
.64961	3.88199	3.32722	.16506	.26538	.94991
.74979	3.84770	3.31852	.18066	.26726	.94654
.85204	3.81260	3.30882	.18937	.26999	.94412
.90012	3.79689	3.30325	.19039	.27162	.94338
.95011	3.78356	3.29702	.18967	.27341	.94301
1.00000	3.77346	3.28999	.18678	.27534	.94303
1.05113	3.76754	3.28158	.18726	.27845	.94202
1.10429	3.76543	3.27161	.18802	.28399	.94021
1.15864	3.76599	3.26053	.18839	.29154	.93770
1.26744	3.77056	3.23685	.19330	.31026	.93079
1.32018	3.77229	3.22516	.19835	.31929	.92667
1.37066	3.77213	3.21418	.20690	.32601	.92445
1.41503	3.76894	3.20435	.22019	.32886	.91835
1.46143	3.76159	3.19613	.23940	.32714	.91415
1.50000	3.74893	3.18998	.26650	.32169	.90857
1.53528	3.73162	3.18541	.28100	.31482	.90560
1.56917	3.71120	3.18165	.29400	.30543	.90569
1.60133	3.68792	3.17871	.30627	.29506	.90506
1.63142	3.66201	3.17661	.31893	.28471	.90400
1.65912	3.63369	3.17539	.33342	.27489	.90181
1.68408	3.60319	3.17506	.35156	.26560	.89770
1.70599	3.57076	3.17564	.37506	.25641	.89050
1.72450	3.53651	3.17716	.41032	.24622	.87808
1.73928	3.50098	3.17963	.46179	.23266	.85593
1.75000	3.46410	3.18308	.54309	.21014	.81295

86

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00342

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 50 NUMBER PTS= 81

.00119	3.43164	3.29557	-.27206	.21093	.93888
-.2.00000	3.43252	3.30271	-.26742	.20852	.934075
-1.97445	3.43495	3.30942	-.26262	.20653	.94254
-1.94870	3.43887	3.31569	-.25767	.20496	.94425
-1.92268	3.44425	3.32148	-.25257	.20381	.94587
-1.89711	3.45102	3.32679	-.24735	.20307	.94741
-1.87150	3.45914	3.33159	-.24197	.20272	.94887
-1.84316	3.46856	3.33586	-.23613	.20274	.95026
-1.82123	3.47922	3.33959	-.23069	.20313	.95159
-1.79681	3.49109	3.34274	-.22469	.20386	.95287
-1.77303	3.50410	3.34530	-.21836	.20493	.95411
-1.75000	3.52033	3.34696	-.21197	.20651	.95344
-1.72754	3.54109	3.34759	-.20622	.20944	.95261
-1.70522	3.56521	3.34744	-.22090	.21353	.95164
-1.68277	3.59521	3.34582	-.21778	.21778	.94983
-1.66445	3.61879	3.34589	-.21273	.22449	.94944
-1.61204	3.64589	3.34436	-.20423	.23088	.94971
-1.58645	3.67161	3.34415	-.19175	.23737	.95079
-1.55943	3.69478	3.34393	-.17538	.24339	.95269
-1.53070	3.71422	3.34445	-.15590	.24824	.95531
-1.50000	3.72873	3.34598	-.14425	.25117	.95697
-1.46473	3.73873	3.34887	-.13612	.25178	.95841
-1.42321	3.74583	3.35307			

-1.37655	3.75069	-1.12995	.24868	.95983
-1.32587	3.75396	-1.12487	.24572	.96126
-1.21694	3.75838	-1.11579	.23888	.96412
-1.16091	3.76083	-1.11092	.23562	.96549
-1.10533	3.76432	-1.10529	.23280	.96680
-1.05132	3.76950	-1.09842	.23069	.96804
-1.00000	3.77703	-1.08973	.22943	.96918
-95030	3.78754	-1.08525	.22876	.96974
-90044	3.80071	-1.08031	.22841	.97025
-85046	3.81578	-1.07497	.22834	.97069
-75025	3.84861	-1.06304	.22881	.97143
-70010	3.86484	-1.05641	.22925	.97173
-64997	3.87995	-1.04927	.22976	.97200
-59988	3.89317	-1.04156	.23029	.97223
-54368	3.90375	-1.03323	.23079	.97244
-50000	3.91092	-1.02423	.23121	.97260
-45016	3.91436	-1.01631	.23207	.97256
-40025	3.91464	-1.00838	.23382	.97224
-35029	3.91243	-1.00036	.23629	.97168
-30029	3.90835	-1.00772	.23927	.97092
-20021	3.89720	-1.02368	.24599	.96898
-10008	3.86635	-1.03832	.25216	.96693
-05003	3.88264	-1.04482	.25438	.96607
-00000	3.88095	-1.05072	.25564	.96544
.10013	3.88163	-1.05704	.25626	.96492
.20035	3.88425	-1.06359	.25676	.96438
.30051	3.89274	-1.07753	.25747	.96317
.40044	3.90146	-1.09279	.25782	.96173
.45028	3.90434	-1.10096	.25787	.96089
.50060	3.90541	-1.10950	.25786	.95996
.54974	3.90404	-1.11843	.25778	.95892
.59962	3.89962	-1.12775	.25764	.95776
.64961	3.89134	-1.14098	.25779	.95586
.74979	3.87942	-1.15271	.25876	.95379
.85004	3.86471	-1.16300	.26037	.95165
.90012	3.83039	-1.17909	.26479	.94753
.95011	3.79530	-1.18823	.26976	.94435
1.00000	3.77962	-1.18978	.27207	.94338
1.05106	3.76634	-1.18916	.27406	.94293
1.10404	3.75631	-1.18629	.27557	.94306
1.15814	3.75063	-1.18589	.27789	.94245
1.26844	3.74900	-1.18611	.28249	.94104
1.31903	3.75018	-1.18681	.28895	.93894
1.36848	3.75612	-1.19113	.30529	.93288
1.41701	3.75843	-1.19634	.31353	.92906
1.46078	3.75867	-1.20511	.32028	.92485
1.50000	3.75563	-1.21881	.32430	.92030
1.53604	3.74806	-1.23891	.32466	.91516
1.57057	3.73477	-1.26750	.32122	.90844
1.60325	3.71627	-1.28465	.31443	.90560
1.63372	3.69445	-1.29865	.30330	.90489
1.66161	3.68073	-1.31027	.29034	.90523
1.68657	3.64036	-1.32099	.27734	.90557
1.70825	3.60938	-1.33266	.26527	.90497
1.72628	3.57612	-1.34757	.25445	.90247
1.74032	3.54052	-1.36892	.24463	.89669
1.75000	3.50412	-1.40216	.23490	.88492
	3.46605	-1.45818	.22278	.86049
	3.42706	-1.56258	.20067	.80202

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS

.00353

WEEDR--AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 51 NUMBER PTS= 81

.0012

-2.00000
-1.97345
-1.94869
-1.92286
-1.89708
-1.87145
-1.84511
-1.81818
-1.79077
-1.77300
-1.75000
-1.72758
-1.70529
-1.68268
-1.65964
-1.63660
-1.61220
-1.58660
-1.55955
-1.53077
-1.50000
-1.46866
-1.42310
-1.37642
-1.32375
-1.26855
-1.21085
-1.15030
-1.05131
-1.00000
-.95030
-.90044
-.85046
-.80025
-.75025
-.70010
-.64996
-.59988
-.54968
-.50000
-.45016
-.40025
-.35029
-.30029
-.25021
-.20021
-.15008
-.10008
-.05003
0.00000
.05004
.10013
.15035
.20035
.25050
.30051
.35051
.40044
.45028
.50000
.54974
.59962
3.41140
3.41211
3.41433
3.41801
3.42313
3.42964
3.43752
3.44673
3.45723
3.46900
3.48200
3.49842
3.51964
3.54442
3.59964
3.62760
3.65412
3.67796
3.69787
3.71260
3.72257
3.72950
3.73407
3.73698
3.74056
3.74261
3.74575
3.75069
3.75810
3.76856
3.78167
3.79669
3.82941
3.84559
3.86066
3.87386
3.88442
3.89160
3.89509
3.89549
3.89344
3.88957
3.87887
3.86840
3.86483
3.86320
3.86393
3.86661
3.86529
3.86421
3.86718
3.86932
3.88700
3.88260
3.87432
3.86233
3.30000
3.30714
3.31387
3.32017
3.32600
3.33135
3.33620
3.34051
3.34426
3.34743
3.35000
3.35164
3.35221
3.35198
3.35017
3.34911
3.34830
3.34800
3.34848
3.35000
3.35290
3.35712
3.36236
3.36828
3.38087
3.38689
3.39230
3.39678
3.40000
3.40201
3.40317
3.40365
3.40310
3.40238
3.40156
3.40079
3.40022
3.40000
3.40023
3.40080
3.40158
3.40240
3.40360
3.40320
3.40203
3.40000
3.39702
3.39319
3.38357
3.37235
3.36652
3.36076
3.35520
3.35000
3.34525
3.34083
-.27154
-.26637
-.26133
-.25636
-.25135
-.24626
-.24100
-.23550
-.22968
-.22343
-.21664
-.21727
-.21423
-.20542
-.19826
-.18885
-.17702
-.16291
-.14718
-.13887
-.13281
-.12790
-.12352
-.11475
-.10370
-.10374
-.09644
-.08715
-.08209
-.07685
-.07142
-.05979
-.05345
-.04668
-.03942
-.03161
-.02327
-.01651
-.00952
-.00218
-.00548
-.02132
-.03666
-.04381
-.05061
-.05735
-.06423
-.07845
-.09347
-.10139
-.10961
-.11815
-.12701
-.13223
-.15035
.20000
.20025
.20039
.20045
.20047
.20046
.20047
.20051
.20060
.20077
.20104
.20146
.20276
.20481
.21072
.21430
.21797
.22137
.22402
.22539
.22528
.22445
.22315
.22157
.21834
.21697
.21592
.21529
.21519
.21544
.21595
.21664
.21835
.21923
.22003
.22070
.22117
.22137
.22209
.22398
.22679
.23023
.23798
.24445
.24647
.24716
.24720
.24745
.24835
.24943
.24990
.25022
.25035
.25092
.25021
.25061
.25239
.94142
.94284
.94422
.94557
.94691
.94825
.94959
.95097
.95237
.95382
.95533
.95510
.95501
.95507
.95572
.95644
.95751
.95899
.96087
.96309
.96435
.96539
.96636
.96729
.96910
.97000
.97088
.97178
.97267
.97306
.97338
.97363
.97404
.97421
.97437
.97454
.97472
.97491
.97489
.97455
.97394
.97312
.97106
.96897
.96816
.96765
.96727
.96677
.96549
.96387
.96295
.96196
.96092
.95982
.95802
.95587

.64961	3.84766	3.33661	.16045	.25520	.95348
.74980	3.81329	3.32813	.17708	.26250	.94854
.85004	3.77816	3.31866	.18718	.26990	.94452
.90012	3.76247	3.31318	.18911	.27289	.94328
.95011	3.74920	3.30701	.18976	.27499	.94274
1.00000	3.73920	3.30000	.18614	.27589	.94299
1.05103	3.73366	3.29159	.18487	.27718	.94287
1.10395	3.73234	3.28161	.18460	.28056	.94192
1.15795	3.73396	3.27052	.18509	.28564	.94029
1.20608	3.74093	3.24682	.18941	.28917	.93521
1.31860	3.74373	3.23512	.19461	.30654	.93175
1.36905	3.74437	3.22414	.20329	.31337	.92762
1.41663	3.74158	3.21432	.21697	.31874	.92367
1.46054	3.73408	3.20612	.23759	.32157	.91659
1.50000	3.72060	3.20000	.26769	.32061	.90860
1.53632	3.70144	3.19556	.28826	.31378	.90468
1.57109	3.67807	3.19211	.30321	.30017	.90441
1.60396	3.65097	3.18965	.31327	.28365	.90632
1.63456	3.62060	3.18617	.32038	.26708	.90886
1.66253	3.58744	3.18768	.32686	.25205	.91084
1.68749	3.55196	3.18817	.33527	.23916	.91126
1.70908	3.51465	3.18965	.34894	.22840	.90889
1.72694	3.47597	3.19211	.37362	.21923	.90130
1.74070	3.43639	3.19556	.42254	.21007	.88166
1.75000	3.59640	3.20000	.53705	.19416	.82090

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00360

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 52 NUMBER PTS= 81

.00123	3.39006	3.30457	-.27188	.20235	.94082
-.2.00000	3.39079	3.31172	-.26670	.20362	.94202
-1.97444	3.39296	3.31847	-.26178	.20466	.94318
-1.94869	3.39653	3.32480	-.25702	.20549	.94431
-1.92286	3.40149	3.33066	-.25233	.20613	.94543
-1.89707	3.40783	3.33605	-.24761	.20663	.94657
-1.87145	3.41553	3.34093	-.24279	.20702	.94773
-1.84612	3.42457	3.34527	-.23778	.20734	.94893
-1.82118	3.43494	3.34905	-.23251	.20762	.95018
-1.79677	3.44661	3.35224	-.22686	.20789	.95148
-1.77301	3.45958	3.35482	-.22074	.20822	.95285
-1.75000	3.47612	3.35644	-.22283	.20789	.95243
-1.72757	3.49766	3.35695	-.22143	.20728	.95289
-1.70528	3.52269	3.35663	-.21655	.20647	.95419
-1.68286	3.57928	3.35459	-.19824	.20446	.95659
-1.63657	3.60783	3.35341	-.18637	.20341	.96119
-1.61217	3.63491	3.35249	-.17384	.20239	.96375
-1.58658	3.65919	3.35210	-.16140	.20152	.96609
-1.55953	3.67940	3.35252	-.14957	.20095	.96812
-1.53376	3.69424	3.35401	-.13853	.20083	.96978
-1.50000	3.70414	3.35692	-.13403	.20084	.97041
-1.46467	3.71092	3.36117	-.13024	.20089	.97092
-1.42312	3.71527	3.36644	-.12665	.20099	.97137
-1.37645	3.71792	3.37240	-.12297	.20116	.97181
-1.32577	3.72094	3.38509	-.11448	.20171	.97273
-1.21686	3.72274	3.39116	-.10926	.20209	.97325
-1.15086	3.72568	3.39661	-.10299	.20254	.97384
-1.10530	3.73049	3.40111	-.09525	.20306	.97452
-1.05131	3.73787	3.40434	-.09532	.20365	.97532

- .95030	3.74835	3.40635	- .07969	.20424	.97567
- .90044	3.76146	3.40753	- .07403	.20494	.97597
- .85016	3.77647	3.40802	- .06813	.20576	.97621
- .750.4	3.80917	3.40751	- .05663	.20769	.97655
- .70009	3.82535	3.40681	- .05053	.20878	.97666
- .64395	3.84042	3.40602	- .04417	.20995	.97671
- .59937	3.85363	3.40526	- .03748	.21118	.97673
- .54357	3.86422	3.40470	- .03038	.21246	.97670
- .50000	3.87145	3.40449	- .02277	.21378	.97662
- .45017	3.87504	3.40472	- .01707	.21563	.97662
- .40327	3.87561	3.40531	- .01081	.21842	.97633
- .35031	3.87375	3.40611	- .00395	.22195	.97579
- .30031	3.87010	3.40696	- .00345	.22600	.97505
- .20022	3.85987	3.40822	.01930	.23477	.97412
- .10008	3.84980	3.40788	.03531	.24266	.97186
- .05003	3.84637	3.40672	.04298	.24555	.96947
- .00500	3.84482	3.40470	.05038	.24730	.96843
.05064	3.84562	3.40172	.05710	.24816	.96763
.100.3	3.84837	3.39787	.06398	.24858	.96704
.20035	3.85723	3.38822	.07838	.24837	.96650
.30051	3.86631	3.37696	.09371	.24715	.96549
.35051	3.86935	3.37111	.10168	.24715	.96444
.40044	3.87054	3.36533	.10981	.24631	.96384
.45028	3.86925	3.35976	.11808	.24541	.96318
.50000	3.86484	3.35456	.12648	.24451	.96243
.549.4	3.85654	3.34982	.13759	.24367	.96157
.59362	3.84455	3.34345	.14747	.24309	.96020
.64961	3.82976	3.34127	.15622	.24304	.95874
.74979	3.79526	3.33293	.17032	.24342	.95726
.85004	3.76000	3.32359	.17950	.24498	.95445
.90012	3.74426	3.31816	.18206	.24689	.95227
.95011	3.73096	3.31202	.18321	.24773	.95157
1.00000	3.72095	3.30503	.18294	.24835	.95119
1.05102	3.71550	3.29662	.18380	.24866	.95116
1.10392	3.71441	3.28665	.18503	.24967	.95073
1.15789	3.71636	3.27556	.18653	.25237	.94978
1.20596	3.72416	3.26186	.19150	.25638	.94841
1.318.7	3.72737	3.24017	.19612	.26663	.94458
1.36891	3.72838	3.22918	.20326	.27184	.94215
1.41651	3.72587	3.21936	.21395	.27627	.93934
1.46047	3.71853	3.21116	.22937	.27920	.93610
1.50000	3.70505	3.20503	.25107	.27992	.93222
1.53640	3.68550	3.20061	.26896	.27785	.92723
1.57125	3.66126	3.19724	.28366	.27283	.92370
1.60417	3.63291	3.19489	.29549	.26492	.92160
1.63481	3.60104	3.19355	.30531	.25543	.92057
1.66279	3.56627	3.19322	.31437	.24541	.92009
1.68774	3.52917	3.19387	.32432	.23560	.91960
1.70931	3.49036	3.19550	.33754	.22638	.91846
1.72712	3.45041	3.19810	.35824	.21785	.91576
1.74080	3.40993	3.20164	.39618	.20975	.90976
1.75000	3.36951	3.20611	.48250	.20102	.89590
				.18718	.85566

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00369

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00125

MOI NUMBER= 53 NUMBER PTS= 81

-2.00000	3.35629
-1.97443	3.36716

3.30968
3.31684

- .27323
- .26777

.20143
.20338

.94082
.94178

-1.94867	3.36939	3.32360	-26265	.20501	.94286
-1.92284	3.37298	3.32994	-25778	.20638	.94390
-1.89706	3.37792	3.33583	-25304	.20752	.94494
-1.87145	3.38421	3.34124	-24835	.20843	.94598
-1.84613	3.39183	3.34614	-24362	.20917	.94705
-1.82120	3.40080	3.35050	-23875	.20975	.94816
-1.79679	3.41111	3.35430	-23365	.21021	.94932
-1.77302	3.42275	3.35750	-22823	.21061	.95055
-1.75000	3.43571	3.36008	-22238	.21099	.95186
-1.72755	3.45231	3.36168	-22377	.21026	.95169
-1.70524	3.47397	3.36213	-22073	.20847	.95280
-1.68280	3.49938	3.36172	-21329	.20592	.95504
-1.63649	3.55616	3.35946	-18903	.20592	.96150
-1.61209	3.58494	3.35816	-17510	.19605	.96483
-1.58550	3.61220	3.35714	-16187	.19281	.96779
-1.55947	3.63663	3.35666	-15036	.19006	.97019
-1.53072	3.65692	3.35702	-14102	.18814	.97197
-1.50000	3.67176	3.35848	-13369	.18739	.97315
-1.46471	3.68162	3.36139	-13150	.18742	.97344
-1.42317	3.68633	3.36566	-12908	.18777	.97370
-1.37650	3.69260	3.37095	-12629	.18838	.97394
-1.32582	3.69516	3.37694	-12304	.18921	.97420
-1.21689	3.69804	3.38970	-11475	.19129	.97480
-1.16087	3.69979	3.39579	-10938	.19244	.97519
-1.10530	3.70271	3.40127	-10286	.19358	.97568
-1.05131	3.70752	3.40579	-09472	.19466	.97629
-1.00000	3.71494	3.40902	-08423	.19561	.97706
-95031	3.72547	3.41104	-07816	.19638	.97741
-90045	3.73863	3.41222	-07219	.19718	.97771
-85045	3.75366	3.41272	-06629	.19803	.97795
-75022	3.78641	3.41225	-05458	.20003	.97827
-70005	3.80264	3.41157	-04867	.20123	.97834
-64951	3.81777	3.41079	-04264	.20258	.97834
-59383	3.83107	3.41005	-03642	.20411	.97827
-54985	3.84179	3.40350	-02989	.20584	.97813
-50000	3.84919	3.40329	-02292	.20781	.97790
-45019	3.85298	3.40352	-01809	.21032	.97747
-40030	3.85379	3.41013	-01246	.21361	.97684
-35035	3.85222	3.41096	-00603	.21753	.97604
-30034	3.84887	3.41184	.00111	.22189	.97507
-26023	3.83924	3.41317	.01693	.23122	.97275
-110008	3.82971	3.41288	.03353	.23985	.97023
-05003	3.82650	3.41173	.04171	.24327	.96906
-00000	3.82511	3.40972	.04970	.24571	.96807
.05004	3.82603	3.40673	.05678	.24711	.96732
.10012	3.82889	3.40288	.06393	.24761	.96673
.20035	3.83788	3.39318	.07881	.24681	.96586
.30051	3.84703	3.38187	.09444	.24417	.96512
.35052	3.85007	3.37600	.10241	.24255	.96472
.40045	3.85125	3.37020	.11038	.24091	.96425
.45028	3.84992	3.36462	.11832	.23940	.96368
.50000	3.84546	3.35941	.12622	.23814	.96299
.54973	3.83708	3.35468	.13666	.23692	.96187
.59961	3.83499	3.35032	.14576	.23566	.96084
.64960	3.81008	3.34617	.15361	.23441	.95992
.74978	3.77532	3.33790	.16598	.23214	.95904
.85004	3.73382	3.32862	.17444	.23042	.95733
.90012	3.72400	3.32322	.17734	.22985	.95693
.95011	3.71064	3.31710	.17940	.22951	.95663
1.00000	3.70062	3.31011	.18058	.22943	.95643
1.05100	3.69526	3.30171	.18284	.23026	.95580

1.123 J	3.6444	3.23174	.18506	.23249	.95483
1.15773	3.6471	3.28066	.18723	.23576	.95360
1.26574	3.70533	3.25698	.19268	.24366	.95048
1.314 0	3.72814	3.24529	.19896	.24773	.94860
1.35 4	3.71027	3.23431	.20314	.25077	.94649
1.41519	3.70796	3.22448	.21193	.25238	.94413
1.47726	3.70666	3.21626	.22411	.25207	.94140
1.52110	3.68702	3.21010	.24058	.24956	.93800
1.53 4	3.67204	3.20567	.25574	.24554	.93505
1.57167	3.64267	3.20232	.26913	.24051	.93259
1.60474	3.61278	3.20002	.28101	.23476	.93055
1.63517	3.57984	3.19876	.29182	.22850	.92878
1.66110	3.54391	3.19852	.30219	.22193	.92705
1.68414	3.50564	3.19927	.31309	.21515	.92503
1.70993	3.46571	3.20099	.32612	.20814	.92213
1.72750	3.42477	3.20367	.34435	.20070	.91714
1.74108	3.38349	3.20728	.37514	.19204	.90686
1.75300	3.34254	3.21181	.44340	.17888	.87829

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00379

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 54 NUMBER PTS= 81

.00125	3.34050	3.31516	-.27527	.19803	.94075
-2.00000	3.34160	3.32233	-.26936	.20033	.94197
-1.97441	3.34400	3.32910	-.26386	.20235	.94310
-1.94864	3.34771	3.33545	-.25865	.20409	.94417
-1.92262	3.35273	3.34135	-.25362	.20557	.94521
-1.89705	3.35906	3.34677	-.24869	.20679	.94625
-1.87146	3.36671	3.35167	-.24375	.20779	.94732
-1.84514	3.37569	3.35604	-.23872	.20859	.94842
-1.82123	3.38600	3.36000	-.23349	.20922	.94958
-1.79682	3.39765	3.36305	-.22796	.20973	.95081
-1.77304	3.41064	3.36564	-.22202	.21016	.95212
-1.75000	3.42724	3.36722	-.21607	.20931	.95353
-1.72752	3.44687	3.36762	-.21055	.20697	.95428
-1.70518	3.47423	3.36713	-.20588	.20357	.95717
-1.68272	3.50866	3.36467	-.17830	.19505	.96445
-1.66038	3.54952	3.36327	-.16398	.19057	.96788
-1.63838	3.59667	3.36214	-.15143	.18641	.97073
-1.61697	3.61101	3.36158	-.14163	.18292	.97287
-1.59539	3.63122	3.36188	-.13487	.18047	.97429
-1.57398	3.64599	3.36333	-.13072	.17947	.97504
-1.55307	3.65581	3.36523	-.13011	.17948	.97512
-1.53267	3.66252	3.37051	-.12861	.17991	.97524
-1.51288	3.66682	3.37581	-.12637	.18068	.97533
-1.49369	3.66944	3.38182	-.12343	.18172	.97557
-1.47500	3.67247	3.39461	-.11529	.18436	.97607
-1.45689	3.67432	3.40072	-.10982	.18580	.97643
-1.43924	3.67735	3.40621	-.10308	.18723	.97689
-1.42224	3.68226	3.41074	-.09460	.18855	.97750
-1.40588	3.68973	3.41397	-.08359	.18967	.97828
-1.39000	3.70040	3.41599	-.07716	.19053	.97865
-1.37465	3.71362	3.41718	-.07094	.19136	.97895
-1.35988	3.72872	3.41769	-.06489	.19222	.97920
-1.34570	3.75150	3.41725	-.05319	.19421	.97952
-1.33200	3.77791	3.41503	-.04745	.19543	.97957
-1.31886	3.79316	3.41581	-.04171	.19685	.97954
-1.30628	3.80660	3.41508	-.03589	.19853	.97944

-54981	3.81752	3.41454	-02988	.20050	.97924
-50000	3.82516	3.41433	-02351	.20281	.97894
-45023	3.82925	3.41457	-01941	.20567	.97843
-40036	3.83039	3.41519	-01434	.20919	.97777
-35041	3.82816	3.41604	-00831	.21326	.97696
-30040	3.82618	3.41695	-00143	.21772	.97601
-20026	3.81726	3.41834	.01432	.22719	.97375
-10008	3.80839	3.41810	.03146	.23611	.97122
-05002	3.80545	3.41698	.04013	.23979	.96999
-00000	3.80430	3.41497	.04875	.24262	.96889
.05003	3.80539	3.41198	.05642	.24437	.96804
.10011	3.80836	3.40811	.06405	.24505	.96739
.20034	3.81747	3.39836	.07960	.24388	.96653
.30052	3.82659	3.38700	.09551	.24053	.96593
.40046	3.83069	3.38111	.10342	.23851	.96562
.45029	3.82929	3.37528	.11119	.23650	.96525
.50000	3.82474	3.36448	.11877	.23468	.96479
.54972	3.81625	3.35975	.12614	.23200	.96421
.59959	3.80402	3.35539	.13623	.23158	.96323
.64958	3.78894	3.35125	.14487	.22952	.96246
.74577	3.75381	3.34299	.15217	.22720	.96189
.85004	3.71799	3.33372	.16337	.22240	.96117
.90011	3.70205	3.32832	.17123	.21830	.96074
.95011	3.68661	3.32221	.17427	.21680	.96054
1.00000	3.67857	3.31522	.17681	.21584	.96029
1.05096	3.67331	3.30682	.17882	.21552	.95999
1.10371	3.67271	3.29686	.18200	.21622	.95923
1.15749	3.67536	3.28580	.18487	.21812	.95825
1.26517	3.68479	3.26215	.18752	.22087	.95711
1.31756	3.68876	3.25047	.19334	.22750	.95439
1.36759	3.69037	3.23948	.19741	.23052	.95283
1.41571	3.68821	3.22964	.20299	.23270	.95113
1.45946	3.68087	3.22139	.21059	.23358	.94926
1.50000	3.66695	3.21520	.22072	.23278	.94715
1.53698	3.64650	3.21073	.23389	.23015	.94463
1.57230	3.62094	3.20736	.24661	.22672	.94222
1.60558	3.59097	3.20506	.25840	.22319	.93990
1.63646	3.57328	3.20382	.26956	.21941	.93766
1.66454	3.52055	3.20301	.28035	.21526	.93545
1.68946	3.48148	3.20440	.29114	.21061	.93321
1.71065	3.44075	3.20617	.30250	.20537	.93076
1.72831	3.39904	3.20890	.31550	.19937	.92775
1.74149	3.35706	3.21256	.33245	.19235	.92330
1.75000	3.31549	3.21714	.35944	.18365	.91492
			.41877	.17052	.89194

WEED---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.003300

WEED---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 55 NUMBER PTS= 80

-2.00000	3.31312	3.32084	-27760	.19247	.94120
-1.97438	3.31451	3.32802	-27124	.19493	.94257
-1.94861	3.31715	3.33480	-26521	.19713	.94382
-1.92279	3.32106	3.34115	-25950	.19907	.94500
-1.89704	3.32624	3.34705	-25401	.20074	.94614
-1.87145	3.33270	3.35246	-24862	.20216	.94727
-1.84616	3.34045	3.35737	-24326	.20334	.94841
-1.82126	3.34951	3.36174	-23781	.20430	.94958
-1.79686	3.35988	3.36554	-23217	.20507	.95081

-1.77307	3.37157	3.36875	-1.22623	.20567	.95211
-1.75000	3.38460	3.37133	-1.21985	.20614	.95350
-1.72729	3.40118	3.37290	-1.21546	.20540	.95466
-1.70511	3.42267	3.37326	-1.20728	.20305	.95098
-1.68262	3.44780	3.37271	-1.19554	.19955	.96018
-1.63324	3.50384	3.37008	-1.16678	.19073	.96737
-1.61183	3.51218	3.36860	-1.15323	.19614	.97050
-1.58626	3.51903	3.36740	-1.14221	.18190	.97298
-1.55327	3.56309	3.36677	-1.13452	.17836	.97473
-1.53060	3.60309	3.36702	-1.13026	.17587	.97576
-1.50000	3.61774	3.36845	-1.12888	.17480	.97613
-1.46482	3.62754	3.37135	-1.12336	.17478	.97607
-1.42324	3.63429	3.37563	-1.12851	.17519	.97611
-1.37668	3.63870	3.38093	-1.12666	.17594	.97622
-1.34146	3.64146	3.38004	-1.12396	.17698	.97638
-1.32529	3.64486	3.39974	-1.11594	.17962	.97688
-1.21657	3.64691	3.40586	-1.11039	.18109	.97725
-1.16091	3.65013	3.41135	-1.10347	.18255	.97774
-1.10531	3.65522	3.41588	-1.09471	.18392	.97837
-1.05129	3.66288	3.41912	-1.08325	.18509	.97919
-1.00000	3.67360	3.42114	-1.07650	.18597	.97957
-95033	3.68591	3.42233	-1.07006	.18680	.97990
-90046	3.70210	3.42285	-1.06309	.18764	.98016
-85044	3.73517	3.42242	-1.05221	.18957	.98048
-75013	3.76700	3.42100	-1.04116	.19220	.98049
-64919	3.78064	3.42028	-1.03571	.19391	.98037
-59372	3.79180	3.41974	-1.03016	.19596	.98015
-54977	3.79974	3.41953	-1.02435	.19840	.97982
-50000	3.80419	3.41978	-1.02090	.20138	.97929
-45017	3.80571	3.42042	-1.01632	.20493	.97864
-40012	3.80489	3.42128	-1.01067	.20896	.97787
-35018	3.80232	3.42222	-1.00404	.21333	.97697
-30046	3.79423	3.42366	-1.11159	.22260	.97484
-20030	3.78611	3.42347	-1.02922	.23142	.97242
-10009	3.78348	3.42335	-1.03838	.23516	.97120
-05002	3.78260	3.42035	-1.04765	.23814	.97006
-00000	3.78701	3.41736	-1.05607	.24005	.96914
.05002	3.73389	3.41347	-1.06429	.24083	.96844
.10010	3.75620	3.40369	-1.08063	.23968	.96750
.20034	3.80522	3.39227	-1.09678	.23621	.96687
.30053	3.80813	3.38635	-1.10460	.23411	.96657
.40048	3.80913	3.38051	-1.11213	.23201	.96623
.45030	3.80761	3.37490	-1.11931	.23011	.96582
.50000	3.80296	3.36969	-1.12615	.22857	.96532
.54971	3.79433	3.36496	-1.13613	.22672	.96440
.59958	3.78193	3.36060	-1.14456	.22418	.96377
.64956	3.76664	3.35644	-1.15154	.22121	.96338
.74976	3.73107	3.34815	-1.16199	.21485	.96312
.85003	3.69465	3.33885	-1.16935	.20926	.96308
.90011	3.67876	3.33345	-1.17238	.20720	.96299
.95011	3.66523	3.32732	-1.17510	.20585	.96279
1.00000	3.65517	3.32034	-1.17750	.20538	.96245
1.05092	3.65001	3.31194	-1.18125	.20599	.96162
1.10356	3.64966	3.30199	-1.18455	.20764	.96084
1.15721	3.65266	3.29095	-1.18751	.21003	.95955
1.26100	3.66288	3.26733	-1.19362	.21564	.95708
1.31691	3.66920	3.25566	-1.19761	.21811	.95571
1.36702	3.66905	3.24467	-1.20282	.21977	.95423
1.41512	3.66668	3.23482	-1.20969	.22025	.95264
1.45959	3.65954	3.22655	-1.21856	.21924	.95088
1.50000	3.64527	3.22030	-1.22971	.21666	.94884

1.53740	3.62433	3.21578	24043	21363	.94687
1.57306	3.59829	3.21236	.25073	.21086	.94481
1.60661	3.56784	3.21003	.26091	.20807	.94287
1.63765	3.53365	3.20876	.27119	.20499	.94044
1.66561	3.49641	3.20853	.28185	.20139	.93808
1.69371	3.45680	3.20932	.29330	.19702	.93550
1.71196	3.41552	3.21110	.30636	.19165	.93242
1.72918	3.37322	3.21385	.32311	.18493	.92812
1.74199	3.33062	3.21755	.34931	.17622	.92029
1.75000	3.28937	3.22218	.40871	.16279	.89803

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00400

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00126

MDI NUMBER= 56 NUMBER PTS= 80

-2.00000	3.28456	3.32657	-28017	.18483	.94199
-1.97435	3.28627	3.33376	-27312	.18727	.94358
-1.94857	3.28921	3.34054	-26648	.18948	.94503
-1.92276	3.29337	3.34688	-26016	.19147	.94639
-1.89702	3.29877	3.35277	-25405	.19322	.94769
-1.87146	3.30542	3.35818	-24805	.19473	.94897
-1.84618	3.31334	3.36307	-24206	.19601	.95026
-1.82129	3.32253	3.36743	-23598	.19706	.95157
-1.79689	3.33300	3.37123	-22969	.19791	.95293
-1.77310	3.34477	3.37443	-22306	.19857	.95436
-1.75000	3.35784	3.37702	-21596	.19908	.95589
-1.72745	3.37437	3.37858	-20752	.19864	.95785
-1.70504	3.39566	3.37891	-19652	.19674	.96056
-1.68251	3.42047	3.37833	-18321	.19378	.96377
-1.6608	3.47565	3.37559	-15524	.18621	.97017
-1.61167	3.50353	3.37405	-14332	.18225	.97275
-1.58611	3.52994	3.37280	-13438	.17860	.97470
-1.55915	3.55362	3.37213	-12893	.17554	.97599
-1.53053	3.57334	3.37235	-12694	.17337	.97684
-1.50000	3.58785	3.37376	-12780	.17239	.97670
-1.46468	3.59762	3.37666	-12503	.17232	.97655
-1.42343	3.60444	3.38092	-12860	.17263	.97656
-1.37679	3.60898	3.38523	-12702	.17325	.97665
-1.32609	3.61194	3.39223	-12448	.17412	.97682
-1.27103	3.61582	3.40502	-11657	.17640	.97739
-1.18093	3.61813	3.41114	-11098	.17770	.97781
-1.10531	3.62158	3.41663	-10393	.17903	.97834
-1.05129	3.62688	3.42116	-09492	.18030	.97902
-1.00000	3.63470	3.42439	-08308	.18142	.97989
-.95034	3.64553	3.42641	-07606	.18229	.98030
-.90046	3.65896	3.42761	-06943	.18309	.98064
-.85043	3.67425	3.42813	-06314	.18388	.98092
-.75008	3.70757	3.42770	-05149	.18572	.98125
-.64971	3.73974	3.42629	-04082	.18824	.98127
-.59965	3.75361	3.42557	-03570	.18990	.98115
-.54972	3.76504	3.42503	-03058	.19171	.98094
-.50000	3.77331	3.42482	-02530	.19433	.98061
-.45031	3.77814	3.42508	-02241	.19723	.98010
-.40049	3.78008	3.42572	-01829	.20064	.97949
-.35056	3.77971	3.42660	-01300	.20446	.97879
-.30053	3.77759	3.42756	-00663	.20859	.97798
-.20033	3.77041	3.42904	.00865	.21733	.97606
-.10009	3.75311	3.42887	.02693	.22573	.97382
-.05001	3.73064	3.42777	.03658	.22933	.97266

- .00000	3.70025	3.42577	.04651	.23225	.97154
.05001	3.76177	3.41277	.05576	.23418	.97059
.10009	3.76501	3.41483	.06485	.23504	.96983
.15013	3.77427	3.40505	.08179	.23421	.96874
.20023	3.78316	3.39700	.09810	.23114	.96796
.25036	3.78595	3.39167	.10579	.22923	.96761
.30049	3.78682	3.38581	.11307	.22730	.96724
.35031	3.78517	3.38019	.11987	.22552	.96684
.40000	3.78040	3.37498	.12620	.22405	.96637
.45070	3.77163	3.37024	.13621	.22212	.96546
.50056	3.75932	3.36387	.14460	.21935	.96487
.55024	3.74351	3.35169	.15145	.21605	.96347
.60000	3.72743	3.33535	.16147	.20890	.96452
.65003	3.70706	3.31400	.16844	.20255	.96468
.70011	3.68451	3.33857	.17136	.20020	.96465
.75011	3.64087	3.33243	.17407	.19865	.96449
.80000	3.63078	3.32544	.17652	.19811	.96415
.85007	3.62573	3.31705	.18059	.19864	.96329
.90000	3.62563	3.30712	.18413	.20012	.96231
.95009	3.62897	3.29609	.18729	.20224	.96126
1.00038	3.63995	3.27251	.19363	.20716	.95895
1.05019	3.64459	3.26085	.19758	.20927	.95769
1.10059	3.64667	3.24536	.20262	.21064	.95634
1.15049	3.64466	3.24000	.20909	.21092	.95488
1.20019	3.63708	3.23169	.21726	.20988	.95328
1.25000	3.62243	3.22539	.22728	.20746	.95148
1.30000	3.60100	3.22080	.23654	.20472	.94981
1.35000	3.57455	3.21732	.24564	.20230	.94802
1.40072	3.54374	3.21492	.25408	.19991	.94608
1.45095	3.50923	3.21359	.26451	.19726	.94399
1.50079	3.47168	3.21332	.27477	.19410	.94172
1.55006	3.43173	3.21407	.28610	.19014	.93915
1.60012	3.39006	3.21584	.29937	.18511	.93601
1.65012	3.34731	3.21859	.31679	.17864	.93152
1.70053	3.30414	3.22232	.34509	.17000	.92304
1.75000	3.26121	3.22700	.41452	.15592	.89658

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00410

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 57 NUMBER PTS= 80

-2.00000	3.25525	3.33217	-.28244	.17498	.94319
-1.97433	3.25729	3.33936	-.27474	.17724	.94504
-1.94854	3.26054	3.34614	-.26742	.17933	.94675
-1.92273	3.26498	3.35248	-.26038	.18123	.94834
-1.89700	3.27065	3.35936	-.25354	.18294	.94987
-1.87146	3.27753	3.36375	-.24678	.18444	.95136
-1.84620	3.28565	3.36863	-.24000	.18574	.95284
-1.82133	3.29501	3.37297	-.23310	.18682	.95434
-1.79693	3.30562	3.37676	-.22534	.18771	.95589
-1.77312	3.31748	3.37995	-.21838	.18840	.95750
-1.75000	3.33051	3.38254	-.21027	.18892	.95922
-1.72741	3.34708	3.38410	-.19785	.18892	.96190
-1.70496	3.36814	3.38443	-.18410	.18787	.96478
-1.68240	3.39259	3.38383	-.17009	.18607	.96770
-1.63593	3.44681	3.33107	-.14449	.18119	.97278
-1.61151	3.47417	3.37951	-.13488	.17857	.97464
-1.58597	3.50009	3.37824	-.12835	.17612	.97597
-1.55903	3.52336	3.37756	-.12510	.17404	.97678

-1.53346	3.54277	3.37777	-1.12455	.17252	.97705
-1.50000	3.55711	3.37917	-1.12735	.17176	.97687
-1.46495	3.56686	3.38206	-1.12897	.17164	.97668
-1.42353	3.57375	3.38632	-1.12877	.17179	.97668
-1.37690	3.57844	3.39161	-1.12733	.17218	.97680
-1.32619	3.58159	3.39760	-1.12490	.17275	.97701
-1.27108	3.58597	3.41037	-1.11709	.17436	.97770
-1.16096	3.58853	3.41648	-1.11147	.17532	.97818
-1.10531	3.59223	3.42196	-1.10434	.17635	.97878
-1.05128	3.59773	3.42648	-1.05514	.17740	.97953
-1.00000	3.60571	3.42971	-1.08501	.17840	.98045
-95035	3.61667	3.43173	-1.07574	.17921	.98089
-90047	3.63022	3.43292	-1.06933	.17996	.98126
-85042	3.64564	3.43344	-1.06255	.18070	.98155
-80033	3.67924	3.43302	-1.05092	.18240	.98191
-75003	3.71181	3.43160	-1.04058	.18474	.98195
-69964	3.72592	3.43088	-1.03574	.18628	.98185
-64958	3.73763	3.43034	-1.03100	.18814	.98165
-59958	3.74625	3.43013	-1.02621	.19038	.98136
-54968	3.75146	3.43038	-1.02382	.19306	.98090
-49956	3.75384	3.43103	-1.02012	.19616	.98037
-44953	3.75393	3.43192	-1.01518	.19962	.97976
-39961	3.75230	3.43288	-1.00906	.20336	.97908
-34967	3.74610	3.43437	-1.00624	.21127	.97741
-29977	3.73967	3.43422	-1.02473	.21889	.97544
-24989	3.73777	3.43312	-1.03486	.22218	.97438
-19999	3.73748	3.43113	-1.04548	.22486	.97333
-14999	3.73921	3.42812	-1.05556	.22668	.97238
-9999	3.74259	3.42423	-1.06510	.22763	.97157
-4999	3.75189	3.41439	-1.08298	.22739	.97026
1.0000	3.76062	3.40291	-1.09936	.22522	.96923
59954	3.76329	3.39697	-1.10689	.22376	.96877
14952	3.76403	3.39110	-1.11390	.22223	.96832
29952	3.76224	3.38548	-1.12035	.22075	.96788
44952	3.75734	3.38226	-1.12621	.21945	.96743
59954	3.74842	3.37553	-1.13634	.21757	.96648
74952	3.73561	3.37113	-1.14479	.21481	.96586
89952	3.71985	3.36693	-1.15164	.21147	.96555
1.0000	3.68324	3.35952	-1.16152	.20419	.96552
1.5002	3.64608	3.34911	-1.16822	.19770	.96573
2.0011	3.62965	3.34366	-1.17099	.19528	.96559
2.5012	3.61590	3.33750	-1.17354	.19314	.96529
3.0000	3.60577	3.33050	-1.17583	.19362	.96442
3.50083	3.60082	3.32212	-1.17999	.19496	.96347
4.0024	3.60096	3.31220	-1.18363	.19689	.96245
4.5057	3.60462	3.30119	-1.18688	.19827	.96204
5.0000	3.61634	3.27766	-1.19337	.19910	.95903
5.5000	3.61389	3.26601	-1.19735	.20327	.95772
6.0000	3.62129	3.25502	-1.20235	.20451	.95631
6.5000	3.62357	3.24514	-1.20608	.20476	.95475
7.0000	3.62162	3.23680	-1.21658	.20382	.95299
7.5000	3.61389	3.23045	-1.22618	.20162	.95150
8.0000	3.59984	3.22579	-1.23453	.19910	.94990
8.5000	3.57694	3.22223	-1.24203	.19679	.94817
9.0000	3.55015	3.21976	-1.25136	.19442	.94627
9.5000	3.51907	3.21835	-1.26036	.19178	.94416
1.0000	3.48433	3.21801	-1.27015	.18862	.94168
1.0500	3.44656	3.21871	-1.28128	.18473	.93846
1.1000	3.40638	3.22044	-1.29439	.17984	.93348
1.1500	3.36441	3.22319	-1.31301	.17359	.92323
1.2000	3.32128	3.22693	-1.34095		

1.75000	3.23402	3.23166	.43835	.14983	.88623
WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS					
MDI NUMBER= 58 NUMBER PTS= 79					
.00121					
WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS					
MDI NUMBER= 58 NUMBER PTS= 79					
.00121					
3.22559	3.33748	3.33748	- .28123	.16261	.94487
3.22795	3.34460	3.34460	- .27512	.16455	.94702
3.23150	3.35145	3.35145	- .26774	.16639	.94902
3.23625	3.35778	3.35778	- .26101	.16809	.95089
3.24219	3.36365	3.36365	- .25422	.16965	.95268
3.24933	3.36902	3.36902	- .24857	.17106	.95442
3.25767	3.37388	3.37388	- .24305	.17229	.95615
3.26723	3.37821	3.37821	- .23834	.17335	.95788
3.27799	3.38198	3.38198	- .23401	.17422	.95965
3.28997	3.38517	3.38517	- .23000	.17491	.96149
3.30315	3.38775	3.38775	- .22633	.17543	.96341
3.31957	3.38932	3.38932	- .22300	.17595	.96534
3.34041	3.38967	3.38967	- .22000	.17616	.96665
3.36452	3.38910	3.38910	- .21756	.17609	.96847
3.41784	3.38640	3.38640	- .21558	.17537	.97184
3.44471	3.38487	3.38487	- .21352	.17537	.97517
3.47017	3.38363	3.38363	- .21177	.17483	.97817
3.49304	3.38296	3.38296	- .21045	.17425	.97878
3.51216	3.38318	3.38318	- .20959	.17368	.97704
3.52636	3.38459	3.38459	- .20898	.17318	.97699
3.53609	3.38747	3.38747	- .20851	.17280	.97667
3.54303	3.39172	3.39172	- .20804	.17261	.97649
3.54782	3.39700	3.39700	- .20752	.17254	.97653
3.55361	3.40932	3.40932	- .20700	.17257	.97671
3.55869	3.42179	3.42179	- .20648	.17294	.97737
3.56259	3.42726	3.42726	- .20592	.17376	.97843
3.56827	3.43178	3.43178	- .20536	.17434	.97912
3.57639	3.43500	3.43500	- .20480	.17505	.97994
3.58747	3.43702	3.43702	- .20424	.17586	.98091
3.60115	3.43821	3.43821	- .20368	.17657	.98139
3.61671	3.43872	3.43872	- .20312	.17724	.98178
3.63064	3.43829	3.43829	- .20256	.17791	.98209
3.63662	3.43696	3.43696	- .20200	.17943	.98248
3.63798	3.43613	3.43613	- .20144	.18151	.98256
3.63998	3.43559	3.43559	- .20088	.18286	.98249
3.64364	3.43538	3.43538	- .20032	.18448	.98234
3.64891	3.43538	3.43538	- .19976	.18641	.98210
3.65040	3.43563	3.43563	- .19920	.18869	.98172
3.65249	3.43628	3.43628	- .19864	.19133	.98129
3.65730	3.43716	3.43716	- .19808	.19428	.98080
3.66275	3.43811	3.43811	- .19752	.19746	.98025
3.66756	3.43859	3.43859	- .19696	.20420	.97892
3.67166	3.43942	3.43942	- .19640	.21072	.97728
3.67451	3.43932	3.43932	- .19584	.21352	.97637
3.67644	3.43632	3.43632	- .19528	.21577	.97542
3.67793	3.43332	3.43332	- .19472	.21738	.97451
3.67925	3.42943	3.42943	- .19416	.21843	.97364
3.68082	3.41959	3.41959	- .19360	.21910	.97207
3.68258	3.40812	3.40812	- .19304	.21831	.97070
3.68439	3.40218	3.40218	- .19248	.21755	.97008
3.68620	3.39632	3.39632	- .19192	.21664	.96951
3.68809	3.39070	3.39070	- .19136	.21564	.96899
3.69000	3.38519	3.38519	- .19080	.21462	.96852
3.69200	3.38074	3.38074	- .19024	.21291	.96750

AD-A079 894 ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND DOVER--ETC F/B 13/A
MANUFACTURE OF ARMY HELMET MOLDS BY NUMERICAL CONTROL (U)

AD-A079 894 ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND DOVER--ETC F/B 13/A
MANUFACTURE OF ARMY HELMET MOLDS BY NUMERICAL CONTROL (U)

UNCLASSIFIED ARTSD-TR-79003

UNCLASSIFIED ARTSD-TR-79003

SBIE-AD-E400 327

NL

2 of 4

$$A[1] = 1/200000$$

■

.59952	3.71200	3.37633	.14494	.21037	.96682
.64950	3.37211	3.37223	.15109	.20728	.96642
.74971	3.65882	3.36364	.16187	.20049	.96623
.85001	3.62116	3.35417	.16848	.19442	.96634
.90011	3.60454	3.34869	.17110	.19216	.96633
.95012	3.59066	3.34252	.17342	.19068	.96621
1.00000	3.58050	3.33551	.17540	.19016	.96596
1.05078	3.57565	3.32714	.17945	.19060	.96513
1.10309	3.57601	3.31723	.18305	.19185	.96420
1.15029	3.57998	3.30624	.18629	.19365	.96322
1.20279	3.59239	3.28274	.19286	.19786	.96107
1.31482	3.59764	3.27110	.19690	.19969	.95987
1.36520	3.60011	3.26012	.20196	.20093	.95856
1.41328	3.59822	3.25023	.20837	.20128	.95711
1.45842	3.59036	3.24186	.21638	.20055	.95549
1.50000	3.57495	3.23546	.22615	.19865	.95362
1.53873	3.55263	3.23073	.23419	.19633	.95216
1.57548	3.52550	3.22709	.24215	.19393	.95066
1.60985	3.49417	3.22454	.25025	.19130	.94909
1.64144	3.45923	3.22306	.25877	.18832	.94740
1.66985	3.42126	3.22265	.26812	.18486	.94548
1.69466	3.38086	3.22329	.27905	.18076	.94311
1.71549	3.33862	3.22497	.29312	.17586	.93976
1.73192	3.29514	3.22770	.31418	.16983	.93405
1.74356	3.25100	3.23145	.35459	.16163	.92094
1.75000	3.20681	3.23622	.48157	.14413	.86448

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00428

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

99 MDI NUMBER= 59 NUMBER PTS= 80

.00126	3.19602	3.34233	-.28529	.14719	.94707
-.2.00000	3.19865	3.34953	-.27610	.14870	.94956
-.1.97428	3.20248	3.35630	-.26718	.15016	.95187
-.1.94868	3.20750	3.36262	-.25845	.15157	.95406
-.1.92268	3.21371	3.36647	-.24979	.15290	.95615
-.1.89608	3.22111	3.37383	-.24111	.15412	.95818
-.1.87146	3.22970	3.37867	-.23229	.15522	.96018
-.1.84624	3.23945	3.38298	-.22320	.15619	.96218
-.1.82138	3.25038	3.38673	-.21370	.15701	.96420
-.1.79700	3.26247	3.38991	-.20361	.15766	.96627
-.1.77317	3.27573	3.39250	-.19274	.15816	.96842
-.1.75000	3.29210	3.39409	-.17288	.15929	.97198
-.1.72734	3.31277	3.39448	-.15616	.16109	.97451
-.1.70463	3.33662	3.39398	-.14319	.16335	.97612
-.1.68222	3.36925	3.39145	-.12816	.16838	.97735
-.1.63568	3.41575	3.39001	-.12505	.17077	.97734
-.1.61125	3.44666	3.38885	-.12398	.17285	.97711
-.1.58572	3.46344	3.38825	-.12437	.17446	.97678
-.1.55884	3.48233	3.38851	-.12586	.17545	.97641
-.1.53035	3.49641	3.38992	-.12831	.17566	.97605
-.1.50000	3.50611	3.39280	-.12950	.17538	.97595
-.1.46505	3.51306	3.39704	-.12904	.17498	.97608
-.1.42370	3.51790	3.40230	-.12750	.17451	.97637
-.1.37708	3.52306	3.41458	-.12172	.17354	.97728
-.1.27267	3.52917	3.42702	-.11178	.17293	.97857
-.1.16100	3.53320	3.43247	-.10451	.17289	.97937
-.1.10531	3.53359	3.43698	-.09529	.17312	.98028
-.1.05127	3.54722	3.44020	-.08292	.17365	.98131

- .95036	3.55841	- .07522	.17423	.98183
- .90048	3.57221	- .06811	.17479	.98225
- .85040	3.58792	- .06155	.17537	.98258
- .74965	3.61222	- .04391	.17668	.98300
- .64952	3.65563	- .03929	.17841	.98314
- .59946	3.67023	- .03556	.17949	.98312
- .54360	3.68248	- .03139	.18076	.98303
- .45044	3.69758	- .02738	.18224	.98287
- .40068	3.69150	- .02582	.18397	.98259
- .35076	3.69725	- .02288	.18598	.98229
- .30073	3.70080	- .01659	.18824	.98195
- .20543	3.70185	- .01300	.19069	.98157
- .10009	3.70123	- .00183	.19590	.98062
- .05000	3.69708	.02105	.20093	.97938
- .00000	3.69249	.03214	.20305	.97864
	3.69131	.0417	.20470	.97783
	3.69150	.05565	.20601	.97697
	3.69367	.06624	.20720	.97605
	3.69725	.08506	.20909	.97419
	3.70660	.10117	.21019	.97241
	3.71505	.10829	.21040	.97160
	3.71750	.11481	.21034	.97086
	3.71800	.12070	.21000	.97022
	3.71598	.12591	.20937	.96970
	3.71087	.13621	.20798	.96860
	3.70168	.14438	.20587	.96779
	3.68848	.15198	.20330	.96725
	3.67223	.15772	.20049	.96692
	3.65392	.16601	.19495	.96666
	3.61500	.16904	.19259	.96661
	3.59635	.17155	.19071	.96654
	3.57954	.17362	.18947	.96642
	3.56554	.17522	.18903	.96621
	3.55534	.17897	.18944	.96545
	3.55057	.18237	.19062	.96458
	3.55114	.18551	.19234	.96363
	3.55540	.19207	.19646	.96152
	3.56845	.19619	.19833	.96030
	3.57398	.20141	.19970	.95893
	3.57665	.20810	.20029	.95738
	3.57483	.21656	.19889	.95559
	3.56689	.22708	.19839	.95345
	3.55119	.23548	.19623	.95186
	3.52849	.24359	.19355	.95037
	3.50105	.25159	.19038	.94892
	3.46943	.25900	.18676	.94743
	3.43422	.26875	.18268	.94573
	3.39598	.27945	.17816	.94348
	3.35529	.29401	.17314	.93999
	3.31274	.31758	.16732	.93335
	3.26848	.36650	.15944	.91649
	3.22431	.54131	.13840	.82936
	3.17959			

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS

.00435

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

.00127

MDI NUMBER= 60 NUMBER PTS= 80

-2.00000

-1.97427

3.34658

3.35376

- .28544

- .27535

.12789

.12887

.94982

.95367

-1.94846	3.17382	3.35053	- .26546	.12989	.95533
-1.92266	3.17909	3.36684	- .25568	.13092	.95786
-1.89697	3.18555	3.37267	- .24591	.13193	.96027
-1.87147	3.19319	3.37801	- .23603	.13291	.96281
-1.84625	3.20200	3.38284	- .22594	.13383	.96490
-1.82140	3.21195	3.38713	- .21548	.13466	.96718
-1.79702	3.22304	3.39088	- .20450	.13539	.96946
-1.77319	3.23525	3.39405	- .19281	.13598	.97177
-1.75000	3.24856	3.39663	- .18018	.13642	.97413
-1.72752	3.26491	3.39825	- .16773	.13682	.97776
-1.70479	3.28552	3.39873	- .15573	.13722	.97981
-1.68216	3.30925	3.39834	- .14375	.13773	.98254
-1.65560	3.33617	3.39611	- .13191	.13822	.98540
-1.61117	3.36791	3.39482	- .12034	.13842	.98740
-1.58565	3.41285	3.39380	- .10885	.13862	.97817
-1.55878	3.43528	3.39331	- .09696	.13882	.97690
-1.53031	3.45407	3.39365	- .08471	.13888	.97583
-1.50060	3.46808	3.39365	- .07213	.13888	.97514
-1.46509	3.47774	3.39509	- .05927	.13882	.97489
-1.42375	3.48464	3.39796	- .04611	.13842	.97495
-1.37714	3.48943	3.40219	- .03278	.13773	.97525
-1.32721	3.49530	3.40743	- .01924	.13682	.97572
-1.27271	3.50055	3.41967	- .00569	.13539	.97700
-1.16101	3.50555	3.43207	- .00229	.13398	.97863
-1.10532	3.50457	3.43751	- .00103	.13254	.97957
-1.05126	3.51039	3.44200	- .00029	.13111	.98054
-1.00000	3.51866	3.44522	- .00000	.12966	.97940
-95037	3.52994	3.44723	- .00000	.12822	.97817
-90048	3.54387	3.44841	- .00000	.12677	.97690
-85040	3.55973	3.44890	- .00000	.12532	.97583
-79993	3.59441	3.44840	- .00000	.12388	.97514
-74548	3.62825	3.43691	- .00000	.12243	.97489
-59943	3.64306	3.44616	- .00000	.12098	.97495
-54958	3.65552	3.44561	- .00000	.11953	.97525
-50000	3.66491	3.44539	- .00000	.11808	.97572
-45046	3.67108	3.44563	- .00000	.11663	.97700
-40072	3.67466	3.44624	- .00000	.11518	.97863
-35080	3.67615	3.44706	- .00000	.11373	.97957
-30076	3.67604	3.44795	- .00000	.11228	.98054
-20045	3.67295	3.44929	- .00000	.11083	.97940
-10009	3.66927	3.44900	- .00000	.10938	.97817
-04999	3.66843	3.44787	- .00000	.10793	.97690
-00000	3.66890	3.44586	- .00000	.10648	.97583
-04998	3.67110	3.44287	- .00000	.10503	.97514
-10005	3.67474	3.43900	- .00000	.10358	.97489
-20032	3.68412	3.42927	- .00000	.10213	.97495
-30056	3.69248	3.41791	- .00000	.10068	.97525
-35060	3.69486	3.41203	- .00000	.09923	.97572
-40054	3.69529	3.40621	- .00000	.09778	.97700
-45035	3.69320	3.40062	- .00000	.09633	.97863
-50000	3.68802	3.39542	- .00000	.09488	.97957
-54966	3.67873	3.39068	- .00000	.09343	.98054
-59950	3.66536	3.38625	- .00000	.09198	.97940
-64348	3.64883	3.38201	- .00000	.09053	.97817
-69955	3.63033	3.37781	- .00000	.08908	.97690
-75986	3.59089	3.36893	- .00000	.08763	.97583
-85001	3.57201	3.36397	- .00000	.08618	.97514
-90011	3.55501	3.35847	- .00000	.08473	.97489
-95012	3.54080	3.35239	- .00000	.08328	.97495
1.00000	3.53565	3.34528	- .00000	.08183	.97525
1.05072	3.52596	3.33691	- .00000	.08038	.97572
1.10239	3.52670	3.32703	- .00000	.07893	.97700

1.15589	3.53121	3.31607	.18449	.19297	.96370
1.26500	3.54486	3.29263	.19094	.19715	.96160
1.31312	3.55000	3.28101	.19517	.19918	.96033
1.36427	3.55354	3.27003	.20053	.20082	.95886
1.41247	3.55184	3.26013	.20779	.20180	.95713
1.45791	3.54383	3.25172	.21709	.20191	.95504
1.50000	3.52799	3.24525	.22897	.20095	.95247
1.53931	3.50500	3.24043	.23852	.19891	.95055
1.57653	3.47721	3.23668	.24732	.19571	.94896
1.61126	3.44521	3.23401	.25553	.19164	.94762
1.64309	3.40959	3.23241	.26353	.18698	.94636
1.67160	3.37092	3.23189	.27204	.18199	.94492
1.69638	3.32979	3.23243	.28241	.17682	.94286
1.71703	3.28679	3.23405	.29733	.17156	.93923
1.73312	3.24250	3.23674	.32331	.16597	.93162
1.74425	3.19750	3.24050	.38182	.15851	.91054
1.75000	3.15238	3.24533	.60665	.13288	.78378

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00440

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00128

MDI NUMBER= 61 NUMBER PTS= 80

-2.00010	3.13880	3.35000	-.28455	.10341	.95307
-1.97426	3.14171	3.35720	-.27335	.10384	.95629
-1.94845	3.14591	3.36396	-.26228	.10437	.95933
-1.92266	3.15135	3.37027	-.25125	.10499	.96221
-1.89696	3.15801	3.37609	-.24016	.10567	.96497
-1.87147	3.16586	3.38142	-.22888	.10638	.96762
-1.84625	3.17486	3.38623	-.21730	.10708	.97021
-1.82141	3.18500	3.39052	-.20525	.10776	.97276
-1.79702	3.19624	3.39425	-.19256	.10837	.97528
-1.77319	3.20855	3.39742	-.17901	.10888	.97780
-1.75000	3.22190	3.40000	-.16432	.10924	.98034
-1.72732	3.23828	3.40166	-.14955	.11176	.98383
-1.70478	3.25896	3.40226	-.13360	.11776	.98732
-1.68214	3.28278	3.40204	-.11606	.12645	.98516
-1.65957	3.33533	3.40025	-.12128	.14863	.98143
-1.61114	3.36178	3.39919	-.12833	.16039	.97868
-1.58562	3.38683	3.39837	-.13437	.17135	.97600
-1.55875	3.40934	3.39806	-.13737	.18053	.97393
-1.53030	3.42818	3.39852	-.13661	.18690	.97283
-1.50000	3.44220	3.40000	-.13285	.18935	.97288
-1.46510	3.45180	3.40287	-.13108	.18877	.97323
-1.42377	3.45857	3.40708	-.12892	.18716	.97383
-1.37716	3.46317	3.41231	-.12646	.18480	.97461
-1.32772	3.46858	3.42452	-.12019	.17901	.97648
-1.27101	3.47338	3.43688	-.11057	.17355	.97860
-1.20532	3.47724	3.44230	-.10364	.17153	.97971
-1.05126	3.48295	3.44678	-.09458	.17024	.98085
-1.00000	3.49120	3.45000	-.08254	.16990	.98200
-.95037	3.50253	3.45200	-.07454	.17006	.98261
-.90048	3.51658	3.45317	-.06718	.17030	.98310
-.85040	3.53260	3.45364	-.06043	.17060	.98348
-.79992	3.56767	3.45309	-.04959	.17131	.98402
-.69346	3.60191	3.45156	-.03858	.17199	.98434
-.59941	3.61691	3.45079	-.03435	.17226	.98445
-.54957	3.62951	3.45022	-.03040	.17245	.98455
-.50000	3.63900	3.45000	-.02683	.17253	.98464
-.45047	3.64532	3.45022	-.02590	.17259	.98465

-40073	3.64921	3.45080	-.02360	.17276	.98468
-35082	3.65112	3.45157	-.01992	.17302	.98472
-30078	3.65149	3.45210	-.01487	.17333	.98475
-20046	3.64944	3.45359	-.00064	.17405	.98474
-10009	3.64665	3.45320	.01911	.17466	.98444
-04999	3.64609	3.45202	.03109	.17481	.98411
0.00000	3.64670	3.45000	.04450	.17480	.98360
.04998	3.64894	3.44702	.05669	.17535	.98287
.10005	3.65262	3.44319	.06768	.17700	.98188
.20032	3.66201	3.43356	.08629	.18252	.97941
.30056	3.67035	3.42234	.10134	.18912	.97671
.40060	3.67271	3.41651	.10793	.19214	.97542
.50054	3.67312	3.41074	.11404	.19459	.97423
.60035	3.67100	3.40519	.11969	.19622	.97323
.70000	3.66580	3.40000	.12477	.19674	.97248
.80066	3.65845	3.39528	.13465	.19640	.97123
.90050	3.64294	3.39085	.14333	.19595	.97008
.94947	3.62628	3.38682	.15086	.19542	.96905
.99955	3.60750	3.38244	.15729	.19486	.96814
.79985	3.56759	3.37360	.16709	.19376	.96672
.85001	3.54849	3.36866	.17056	.19330	.96620
.90011	3.53132	3.36318	.17313	.19293	.96582
.95012	3.51708	3.35701	.17482	.19268	.96558
1.00000	3.50680	3.35000	.17563	.19259	.96544
1.05072	3.50216	3.34163	.17810	.19293	.96491
1.10386	3.50306	3.33176	.18062	.19403	.96422
1.15583	3.50779	3.32080	.18320	.19571	.96340
1.26188	3.52197	3.29738	.18940	.20010	.96130
1.31378	3.52803	3.28577	.19374	.20241	.95995
1.36413	3.53114	3.27479	.19954	.20449	.95832
1.41235	3.52960	3.26489	.20738	.20610	.95630
1.45784	3.52172	3.25648	.21793	.20596	.95377
1.50000	3.50580	3.25000	.23194	.20677	.95050
1.53939	3.48260	3.24516	.24364	.20480	.94800
1.57669	3.45441	3.24140	.25377	.20066	.94622
1.61147	3.42188	3.23872	.26242	.19514	.94502
1.64333	3.38563	3.23710	.27016	.18894	.94410
1.67186	3.34628	3.23657	.27802	.18262	.94305
1.69664	3.30447	3.23710	.28777	.17659	.94128
1.71726	3.26083	3.23872	.30268	.17101	.93762
1.73330	3.21599	3.24140	.33046	.16568	.92916
1.74435	3.17057	3.24516	.39660	.15882	.90415
1.75000	3.12520	3.25000	.60046	.12922	.73986

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00445

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 62 NUMBER PTS= 81

.00129	3.10773	3.35338	-.28365	.10395	.95328
-2.00000	3.11055	3.36058	-.27264	.10305	.95658
-1.97424	3.11474	3.35733	-.26166	.10252	.95970
-1.94810	3.12024	3.37363	-.25067	.10235	.96265
-1.92257	3.12702	3.37946	-.23959	.10257	.96544
-1.89624	3.13503	3.38478	-.22837	.10314	.96810
-1.87131	3.14423	3.38960	-.21692	.10406	.97063
-1.84607	3.15437	3.39388	-.20512	.10529	.97306
-1.82123	3.16602	3.39761	-.19283	.10677	.97541
-1.79607	3.17853	3.40077	-.17987	.10843	.97770
-1.77310	3.19205	3.40334	-.16596	.11017	.97996

-1.72744	3.20869	3.40504	-1.14720	.11353	.98257
-1.73503	3.22978	3.40574	-1.13507	.11961	.98359
-1.68252	3.25414	3.40570	-1.13031	.12811	.98316
-1.63613	3.30800	3.40435	-1.13839	.15092	.97881
-1.61174	3.33515	3.40353	-1.14593	.16403	.97560
-1.58519	3.36088	3.40293	-1.15104	.17707	.97246
-1.55322	3.38402	3.40281	-1.15275	.18892	.97004
-1.53058	3.40340	3.40340	-1.14849	.19839	.96881
-1.50000	3.41784	3.40495	-1.13939	.20429	.96894
-1.46463	3.42764	3.40783	-1.13418	.20643	.96922
-1.42334	3.43435	3.41204	-1.12962	.20583	.96996
-1.37867	3.43869	3.41726	-1.12564	.20297	.97109
-1.32595	3.44139	3.42316	-1.12197	.19850	.97248
-1.21689	3.44476	3.43572	-1.11408	.18750	.97562
-1.16082	3.44687	3.44173	-1.10859	.18217	.97721
-1.10522	3.45024	3.44713	-1.10248	.17760	.97875
-1.05124	3.45559	3.45160	-1.09395	.17415	.98023
-1.00000	3.46363	3.45481	-1.08261	.17223	.98159
-.95036	3.47491	3.45681	-1.07469	.17141	.98236
-.90017	3.48900	3.45796	-1.06735	.17100	.98297
-.85039	3.50512	3.45841	-1.06059	.17091	.98342
-.74991	3.54053	3.45782	-1.04876	.17131	.98401
-.64947	3.57513	3.45624	-1.03879	.17192	.98435
-.59942	3.59026	3.45545	-1.03436	.17207	.98448
-.54958	3.60294	3.45487	-1.03027	.17201	.98463
-.50000	3.61243	3.45465	-1.02652	.17164	.98480
-.45046	3.61876	3.45486	-1.02553	.17096	.98495
-.40072	3.62279	3.45540	-1.02321	.17009	.98518
-.35081	3.62493	3.45612	-1.01959	.16910	.98540
-.30076	3.62560	3.45688	-1.01465	.16807	.98567
-.20045	3.62422	3.45794	-1.00069	.16616	.98610
-.10099	3.62203	3.45742	.01900	.16497	.98612
-.04959	3.62169	3.45622	.03107	.16485	.98583
-.00000	3.62241	3.45418	.04465	.16516	.98526
.04998	3.62473	3.45122	.05650	.16642	.98444
.10003	3.62851	3.44742	.06713	.16888	.98335
.20029	3.63818	3.43792	.08504	.17640	.98064
.30052	3.64685	3.42685	.09963	.18564	.97755
.35056	3.64938	3.42109	.10620	.19019	.97599
.40050	3.64994	3.41538	.11254	.19430	.97447
.45033	3.64787	3.40986	.11871	.19763	.97306
.50000	3.64289	3.40468	.12470	.19984	.97186
.54968	3.63359	3.39994	.13539	.20089	.97021
.59953	3.62004	3.39554	.14483	.20129	.96877
.64951	3.60327	3.39134	.15291	.20116	.96755
.69959	3.58432	3.38718	.15964	.20065	.96657
.74987	3.54403	3.37840	.16932	.19911	.96524
.80001	3.52475	3.37348	.17250	.19838	.96483
.90011	3.50743	3.36802	.17468	.19787	.96454
.95011	3.49312	3.36186	.17592	.19773	.96434
1.00000	3.48283	3.35486	.17615	.19811	.96422
1.05072	3.47829	3.34649	.17761	.19897	.96378
1.10284	3.47936	3.33661	.17935	.20020	.96320
1.15579	3.48433	3.32566	.18147	.20169	.96249
1.20180	3.49008	3.30223	.18765	.20489	.96083
1.31368	3.50541	3.29061	.19233	.20631	.95940
1.36403	3.50876	3.27963	.19859	.20737	.95789
1.41226	3.50741	3.26972	.20691	.20792	.95601
1.45778	3.49263	3.26130	.21784	.20780	.95361
1.50000	3.48370	3.25481	.23214	.20691	.95042
1.53946	3.46030	3.24996	.24512	.20481	.94781

1.57681	3.43170	3.24620	.25680	.20114	.94530
1.61164	3.33857	3.24350	.26733	.19637	.94338
1.64353	3.36162	3.24188	.27719	.19093	.94165
1.67208	3.32151	3.24134	.28731	.18517	.93977
1.69685	3.27893	3.24188	.29920	.17936	.93716
1.71744	3.23450	3.24349	.31624	.17358	.93266
1.73344	3.16912	3.24618	.34565	.16755	.92328
1.74443	3.14326	3.24995	.41210	.15930	.89710
1.75000	3.09766	3.25479	.66688	.12744	.73418

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00451

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00133

MDI NUMBER= 63 NUMBER PTS= 81

-2.00000	3.07036	3.35746	-.28115	.10424	.95399
-1.97419	3.07219	3.36464	-.27065	.10264	.95719
-1.94825	3.07690	3.37139	-.26017	.10154	.96021
-1.92232	3.08234	3.37770	-.24965	.10097	.96306
-1.89649	3.08915	3.38353	-.23906	.10093	.96574
-1.87088	3.09728	3.38887	-.22835	.10143	.96828
-1.84560	3.10668	3.39369	-.21744	.10243	.97068
-1.82076	3.11730	3.39798	-.20623	.10391	.97297
-1.79647	3.12907	3.40171	-.19460	.10580	.97516
-1.77205	3.14196	3.40487	-.18234	.10804	.97728
-1.75000	3.15591	3.40742	-.16917	.11049	.97937
-1.72777	3.17314	3.40911	-.15559	.11431	.98119
-1.70572	3.19512	3.40988	-.14762	.12052	.98167
-1.68355	3.22060	3.40995	-.14595	.12902	.98084
-1.66376	3.27715	3.40891	-.15737	.15240	.97571
-1.61335	3.30576	3.40826	-.16518	.16640	.97212
-1.58772	3.33293	3.40784	-.16989	.18079	.96874
-1.56049	3.35744	3.40787	-.16882	.19437	.96629
-1.53135	3.37806	3.40858	-.16090	.20597	.96524
-1.50000	3.39355	3.41022	-.14684	.21451	.96562
-1.46409	3.40399	3.41314	-.13741	.21912	.96597
-1.42218	3.41064	3.41737	-.12963	.21871	.96689
-1.37535	3.41492	3.42258	-.12385	.21658	.96838
-1.32467	3.41704	3.42846	-.11906	.21065	.97038
-1.21606	3.41869	3.44094	-.11072	.19510	.97451
-1.16028	3.41987	3.44691	-.10593	.18746	.97654
-1.10497	3.42236	3.45227	-.09933	.18085	.97842
-1.05118	3.42700	3.45671	-.09209	.17577	.98012
-1.00000	3.43461	3.45991	-.08172	.17271	.98158
-.95034	3.44568	3.46191	-.07404	.17120	.98245
-.90044	3.45969	3.46305	-.06684	.17034	.98312
-.85036	3.47583	3.46349	-.06019	.16997	.98361
-.74990	3.51146	3.46287	-.04848	.17016	.98422
-.64948	3.54634	3.46125	-.03849	.17069	.98457
-.59944	3.56156	3.46045	-.03397	.17076	.98473
-.54959	3.57427	3.45986	-.02973	.17052	.98490
-.50000	3.58368	3.45963	-.02579	.16986	.98513
-.45045	3.58990	3.45983	-.02463	.16870	.98536
-.40069	3.59385	3.46035	-.02223	.16716	.98568
-.35077	3.59593	3.46104	-.01862	.16541	.98605
-.30073	3.59657	3.46176	-.01377	.16358	.98643
-.20042	3.59522	3.46273	-.00012	.16023	.98708
-.10008	3.59318	3.46214	.01917	.15815	.98723
-.04999	3.59295	3.46091	.03105	.15792	.98696
-.00000	3.59381	3.45887	.04441	.15840	.98638

.04996	3.53633	3.45592	.05571	.15999	.98555
.10000	3.60040	3.45216	.06585	.16281	.98446
.20000	3.61083	3.44277	.08297	.17123	.98173
.30000	3.62038	3.43183	.09712	.18180	.97853
.35000	3.62336	3.42613	.10368	.18721	.97683
.40000	3.62434	3.42047	.11020	.19228	.97513
.45000	3.62275	3.41498	.11681	.19666	.97349
.50000	3.61799	3.40981	.12353	.19995	.97199
.54975	3.60890	3.40506	.13490	.20192	.97007
.59863	3.59544	3.40067	.14488	.20294	.96840
.64982	3.57866	3.39647	.15360	.20315	.96702
.69969	3.55963	3.39232	.16066	.20276	.96596
.75992	3.51907	3.38357	.17044	.20106	.96464
.85004	3.45966	3.37867	.17344	.20021	.96428
.90011	3.48225	3.37322	.17535	.19966	.96405
.95010	3.46790	3.36707	.17621	.19964	.96389
1.00000	3.45768	3.36007	.17595	.20038	.96379
1.05071	3.45331	3.35169	.17696	.20163	.96334
1.10260	3.45464	3.34181	.17837	.20302	.96279
1.15589	3.45992	3.33084	.18030	.20446	.96213
1.26157	3.47534	3.30737	.18660	.20704	.96037
1.31340	3.48198	3.29573	.19154	.20792	.95921
1.36374	3.48558	3.28472	.19811	.20834	.95778
1.41200	3.48438	3.27479	.20672	.20821	.95599
1.45761	3.47665	3.26634	.21783	.20745	.95368
1.50000	3.46063	3.25983	.23214	.20610	.95060
1.53965	3.43696	3.25495	.24597	.20397	.94757
1.57716	3.40795	3.25115	.25883	.20076	.94483
1.61211	3.37430	3.24843	.27092	.19870	.94229
1.64408	3.33674	3.24679	.28271	.19201	.93979
1.67266	3.29599	3.24622	.29506	.18687	.93703
1.69742	3.25277	3.24674	.30953	.18140	.93343
1.71795	3.20779	3.24834	.32926	.17556	.92778
1.73384	3.16177	3.25103	.36190	.16892	.91678
1.74486	3.11543	3.25481	.43316	.15917	.88715
1.75000	3.06949	3.25967	.70160	.12140	.70216

WEEDR---MAXIMUM CHORO HEIGHT BEFORE WEEDING WAS
.00456

WEEDR---AVERAGE CHORO HEIGHT BEFORE WEEDING WAS

MDI NUMBER- 64 NUMBER PTS- 81

.00139	3.02780	3.36211	-.27745	.10440	.95505
-.2.00000	3.02588	3.36927	-.26773	.10242	.95803
-1.97410	3.03359	3.37602	-.25801	.10102	.96084
-1.94804	3.03886	3.38233	-.24828	.10023	.96349
-1.92195	3.04564	3.38818	-.23848	.10004	.96598
-1.89598	3.05387	3.39354	-.22858	.10046	.96833
-1.87024	3.06348	3.39839	-.21851	.10147	.97054
-1.84489	3.07442	3.40269	-.20817	.10304	.97265
-1.82006	3.08662	3.40643	-.19742	.10513	.97467
-1.79587	3.10002	3.40957	-.18606	.10764	.97662
-1.77248	3.11457	3.41208	-.17377	.11048	.97857
-1.75000	3.13266	3.41376	-.16520	.11452	.97959
-1.72826	3.15594	3.41455	-.16140	.12081	.97947
-1.70673	3.18303	3.41467	-.16298	.12935	.97811
-1.68506	3.24344	3.41381	-.17777	.15309	.97209
-1.63951	3.27412	3.41328	-.18544	.16757	.96826
-1.61572	3.30336	3.41298	-.18862	.18264	.96492
-1.58958	3.32985	3.41313	-.18473	.19712	.96282

-1.53248	3.35226	3.41396	-1.17297	.20988	.96231
-1.50000	3.36929	3.41569	-1.15438	.22008	.96319
-1.46301	3.38071	3.41869	-1.14051	.22657	.96381
-1.42047	3.38785	3.42294	-1.12958	.22826	.96494
-1.37340	3.39164	3.42815	-1.12127	.22507	.96677
-1.32277	3.39304	3.43400	-1.11511	.21807	.96912
-1.21403	3.39247	3.44639	-1.10617	.19899	.97423
-1.15950	3.39239	3.45230	-1.10172	.18962	.97657
-1.10459	3.39372	3.45742	-1.09629	.18157	.97865
-1.05109	3.39740	3.46203	-1.08927	.17539	.98044
-1.00000	3.40438	3.46522	-1.08008	.17160	.98191
-95031	3.41513	3.46722	-1.07274	.16965	.98282
-90040	3.42896	3.46835	-1.06578	.16850	.98350
-85031	3.44506	3.46878	-1.05931	.16796	.98401
-79989	3.48080	3.46814	-1.04781	.16799	.98463
-64950	3.51589	3.46650	-1.03784	.16845	.98498
-59946	3.53117	3.46569	-1.03324	.16847	.98515
-54961	3.54385	3.46509	-1.02886	.16813	.98534
-50000	3.55314	3.46486	-1.02474	.16730	.98560
-45042	3.55914	3.46506	-1.02335	.16585	.98588
-40065	3.56282	3.46556	-1.02083	.16391	.98625
-35072	3.56461	3.46623	-1.01720	.16171	.98669
-30068	3.56497	3.46693	-1.01243	.15942	.98713
-20038	3.56312	3.46786	-1.0082	.15530	.98787
-10006	3.56083	3.46723	-1.01951	.15279	.98807
-04998	3.56063	3.46599	-1.03100	.15250	.98782
-00000	3.56165	3.46394	-1.04392	.15305	.98724
.04955	3.56447	3.46100	-1.05456	.15478	.98644
.09935	3.56898	3.45727	-1.06414	.15772	.98540
.20007	3.58057	3.44798	-1.08042	.16841	.98277
.30021	3.59148	3.43716	-1.09412	.17748	.97961
.40023	3.59513	3.43151	-1.10665	.18328	.97789
.5016	3.59675	3.42588	-1.10730	.18884	.97613
.50000	3.59573	3.42041	-1.11425	.19376	.97437
.54985	3.59145	3.41524	-1.12157	.19766	.97270
.59978	3.58270	3.41049	-1.13346	.20019	.97083
.64978	3.56943	3.40609	-1.14408	.20161	.96881
.69984	3.55272	3.40189	-1.15314	.20208	.96732
.80000	3.53367	3.39774	-1.16052	.20183	.96618
.85007	3.49294	3.38900	-1.17054	.20017	.96480
.90011	3.47344	3.38410	-1.17348	.19931	.96446
.95009	3.45598	3.37865	-1.17523	.19879	.96425
1.00000	3.43155	3.37250	-1.17583	.19888	.96412
1.05071	3.42741	3.36550	-1.17517	.19987	.96404
1.10275	3.42905	3.35712	-1.17621	.20137	.96353
1.15555	3.43470	3.34722	-1.17762	.20291	.96295
1.26123	3.43470	3.33623	-1.17958	.20441	.96227
1.31300	3.45088	3.31271	-1.18609	.20682	.96052
1.36332	3.45785	3.30104	-1.19120	.20747	.95937
1.41162	3.46170	3.29000	-1.19796	.20760	.95797
1.45737	3.46066	3.28002	-1.20670	.20713	.95623
1.50000	3.45293	3.27154	-1.21781	.20604	.95400
1.53393	3.43674	3.26499	-1.23189	.20444	.95101
1.57767	3.41276	3.26007	-1.24621	.20235	.94786
1.61279	3.38335	3.25623	-1.25996	.20137	.94480
1.64468	3.34924	3.25346	-1.27317	.19957	.94175
1.67351	3.31117	3.25178	-1.28663	.19617	.93856
1.69826	3.26968	3.25118	-1.30111	.18770	.93493
1.71870	3.22610	3.25167	-1.31820	.18265	.93026
1.73442	3.18057	3.25326	-1.34123	.17689	.92318
	3.13402	3.25594	-1.37858	.16979	.90986

1.74500
1.75000
.00466

3.08719
3.04082

3.25973
3.26453

.15842
.11037

.87420
.63943

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00466

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00146
MDI NUMBER= 65 NUMBER PTS= 81

-2.00000	2.98117	3.36721	-.27297	.10446	.95634
-1.97400	2.98269	3.37434	-.26419	.10231	.95903
-1.94778	2.98601	3.38108	-.25543	.10078	.96156
-1.92151	2.99105	3.38740	-.24667	.09987	.96394
-1.89525	2.99776	3.39328	-.23786	.09859	.96618
-1.86948	3.00506	3.39857	-.22897	.09995	.96829
-1.84404	3.01289	3.40354	-.21993	.10092	.97028
-1.81921	3.02119	3.40786	-.21064	.10249	.97218
-1.79515	3.03027	3.41160	-.20096	.10461	.97400
-1.77202	3.03988	3.41473	-.19067	.10722	.97578
-1.75000	3.04915	3.41721	-.17944	.11022	.97757
-1.72885	3.05833	3.41884	-.17581	.11432	.97776
-1.70795	3.11318	3.41961	-.17619	.11432	.97694
-1.68690	3.14228	3.41974	-.18100	.12060	.97497
-1.64263	3.20750	3.41895	-.18864	.12910	.96808
-1.61860	3.24077	3.41848	-.20553	.15283	.96423
-1.59273	3.27259	3.41825	-.20647	.16736	.96128
-1.56462	3.30152	3.41849	-.19922	.18251	.95992
-1.53385	3.32615	3.41942	-.18354	.19713	.96027
-1.50000	3.34504	3.42126	-.16091	.21021	.96189
-1.46169	3.35767	3.42434	-.14304	.22108	.96295
-1.41840	3.36517	3.42863	-.12884	.22862	.96436
-1.37103	3.36866	3.43384	-.11813	.23110	.96647
-1.32047	3.36923	3.43967	-.11050	.22801	.96913
-1.21333	3.36604	3.45195	-.10086	.22042	.97476
-1.15854	3.36449	3.45781	-.09675	.19919	.97724
-1.10413	3.36442	3.46308	-.09195	.18881	.97937
-1.05099	3.36696	3.46745	-.08583	.17995	.98114
-1.00000	3.37319	3.47063	-.07792	.17318	.98253
-.95027	3.38355	3.47263	-.07096	.16902	.98342
-.90034	3.37714	3.47376	-.06428	.16685	.98410
-.85026	3.41312	3.47419	-.05802	.16557	.98521
-.79987	3.44890	3.47353	-.04678	.16493	.98556
-.64952	3.48413	3.47188	-.03666	.16487	.98593
-.59949	3.49943	3.47106	-.03221	.16528	.98619
-.54964	3.51207	3.47046	-.02772	.16526	.98649
-.50000	3.52119	3.47023	-.02346	.16487	.98689
-.45039	3.52689	3.47043	-.02181	.16396	.98734
-.40060	3.53017	3.47093	-.01915	.16338	.98822
-.35066	3.53150	3.47159	-.01550	.16266	.98875
-.25050	3.53023	3.47287	-.00502	.16206	.98876
-.15017	3.52695	3.47315	.01028	.15784	.98853
-.10004	3.52576	3.47257	.01993	.15296	.98723
-.04997	3.52551	3.47132	.03095	.15305	.98626
0.00000	3.52668	3.46927	.04330	.15305	.98380
.04993	3.52988	3.46635	.05324	.15258	.98079
.09950	3.53494	3.46264	.06224	.15258	.97913
.19991	3.54802	3.45342	.07767	.15258	.97739
.29999	3.56065	3.44568	.09393	.15258	.97582
.35002	3.56517	3.43707	.10414	.15258	
.40004	3.56760	3.43147	.11134	.15258	
.45004	3.56730	3.42601		.15258	

.50000	3.55361	3.42084	.11309	.19324	.97390
.54996	3.55528	3.41607	.13130	.19602	.97177
.59996	3.54228	3.41166	.14227	.19765	.96989
.64998	3.52509	3.40745	.15165	.19831	.96833
.70001	3.50688	3.40330	.15933	.19820	.96712
.80009	3.46588	3.39455	.16309	.19675	.96566
.85011	3.44633	3.38965	.17267	.19596	.96529
.90011	3.42885	3.38420	.17437	.19552	.96507
.95007	3.41458	3.37805	.17484	.19570	.96495
1.00000	3.40453	3.37104	.17306	.19682	.96488
1.05071	3.40076	3.36265	.17541	.19845	.96429
1.10268	3.40276	3.35273	.17710	.20014	.96363
1.15537	3.40882	3.34173	.17926	.20178	.96289
1.20661	3.42583	3.31815	.18601	.20440	.96105
1.26061	3.43315	3.30645	.19120	.20512	.95988
1.31250	3.43726	3.29537	.19000	.20527	.95847
1.36280	3.43636	3.28536	.20671	.20478	.95673
1.41117	3.42861	3.27683	.21766	.20363	.95455
1.45708	3.41220	3.27023	.23136	.20197	.95167
1.50000	3.38788	3.26526	.24581	.19999	.94845
1.54027	3.35809	3.26137	.25992	.19762	.94519
1.57829	3.32357	3.25855	.27410	.19482	.94176
1.61362	3.28507	3.25682	.28890	.19152	.93801
1.64585	3.24332	3.25618	.30527	.18765	.93359
1.67455	3.19906	3.25664	.32494	.18309	.92784
1.69928	3.15304	3.25821	.35162	.17753	.91916
1.71962	3.10600	3.26090	.38485	.17012	.90286
1.73513	3.05867	3.26470	.48837	.15702	.85839
1.74541	3.01181	3.26963	.83744	.09300	.53855

109

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00474

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
NDI NUMBER= 68 NUMBER PTS= 81

.00153	2.93157	3.37262	-.26810	.10443	.95771
-.00000	2.93248	3.37972	-.26036	.10228	.96008
-1.97389	2.93507	3.38046	-.25265	.10072	.96230
-1.92103	2.94015	3.39280	-.24496	.09978	.96439
-1.89468	2.94677	3.39870	-.23724	.09945	.96635
-1.86864	2.95514	3.40412	-.22946	.09975	.96819
-1.84311	2.96519	3.40902	-.22154	.10065	.96994
-1.81828	2.97685	3.41336	-.21340	.10215	.97161
-1.79436	2.99005	3.41711	-.20489	.10420	.97322
-1.77153	3.00471	3.42022	-.19581	.10676	.97481
-1.75000	3.02076	3.42265	-.18579	.10976	.97644
-1.72949	3.04114	3.42423	-.18700	.11377	.97575
-1.70929	3.06781	3.42496	-.19141	.11988	.97416
-1.68869	3.09921	3.42504	-.19920	.12818	.97154
-1.64560	3.16997	3.42422	-.21852	.15133	.96403
-1.62173	3.20623	3.42376	-.22382	.16544	.96049
-1.55572	3.24099	3.42356	-.22182	.18010	.95831
-1.56709	3.27271	3.42385	-.21090	.19423	.95802
-1.53524	3.29983	3.42486	-.19145	.20690	.95945
-1.50000	3.32080	3.42680	-.16542	.21757	.96192
-1.46025	3.33473	3.42997	-.14448	.22526	.96353
-1.41614	3.34283	3.43431	-.12757	.22805	.96528
-1.36045	3.34577	3.43953	-.11474	.23512	.96755
-1.31796	3.34543	3.44533	-.10574	.21745	.97033
-1.21170	3.32937	3.45753	-.09536	.19569	.97602

-1.15751	3.33619	3.46333	- .09155	.18507	.97845
-1.10363	3.33460	3.46855	- .08735	.17606	.98050
-1.05087	3.33588	3.47288	- .08210	.16921	.98216
-1.00300	3.33130	3.47505	- .07516	.16501	.98340
- .95023	3.33121	3.47805	- .06803	.16284	.98425
- .90028	3.33452	3.47919	- .06242	.16154	.98489
- .85021	3.33036	3.47961	- .05616	.16089	.98536
- .79985	3.331610	3.47895	- .04538	.16079	.98595
- .74985	3.335141	3.47730	- .03555	.16117	.98629
- .69953	3.33670	3.47648	- .03089	.16113	.98645
- .64966	3.33926	3.47588	- .02637	.16073	.98665
- .59900	3.34820	3.47564	- .02204	.15983	.98690
- .54936	3.35356	3.47584	- .02014	.15825	.98719
- .49955	3.35634	3.47635	- .01735	.15610	.98759
- .45000	3.35708	3.47702	- .01370	.15364	.98803
- .40055	3.35768	3.47831	- .00350	.14870	.98888
- .35060	3.35454	3.47831	- .01117	.14495	.98938
- .30044	3.35021	3.47861	- .02039	.14388	.98939
- .25013	3.34870	3.47804	- .03050	.14354	.98916
- .20001	3.34835	3.47679	- .04265	.14409	.98864
- .14996	3.34968	3.47475	- .05192	.14575	.98796
0.00000	3.34930	3.47183	- .06037	.14846	.98707
.04991	3.34999	3.46814	- .07502	.15647	.98483
.09983	3.351380	3.45897	- .08707	.16685	.98206
.14975	3.352845	3.44827	- .09427	.17242	.98050
.19974	3.35396	3.44268	- .10103	.17784	.97886
.24977	3.353733	3.43709	- .10837	.18276	.97717
.29983	3.353784	3.43164	- .11638	.18677	.97549
.34990	3.353480	3.42645	- .12862	.18952	.97342
.39999	3.352694	3.42167	- .13969	.19122	.97156
.45006	3.351423	3.41725	- .14925	.19199	.96998
.50016	3.349784	3.41303	- .15711	.19203	.96873
.55020	3.347892	3.40887	- .16786	.19090	.96715
.60021	3.343811	3.40911	- .17099	.19026	.96673
.65019	3.341855	3.39520	- .17279	.18993	.96647
.70011	3.340110	3.38975	- .17331	.19019	.96633
.75006	3.33691	3.38359	- .17243	.19133	.96626
.80000	3.337713	3.37657	- .17460	.19299	.96554
.85071	3.337356	3.36817	- .17681	.19481	.96477
.90071	3.337594	3.35825	- .17929	.19666	.96394
.95018	3.33242	3.34723	- .18625	.19989	.96195
1.00037	3.33030	3.32361	- .19140	.20094	.96072
1.05077	3.32799	3.31188	- .19809	.20141	.95927
1.10260	3.32428	3.30077	- .20662	.20119	.95751
1.15518	3.32161	3.29072	- .21729	.20025	.95535
1.20837	3.31919	3.28215	- .23047	.19869	.95258
1.26037	3.31643	3.27549	- .24475	.19687	.94939
1.31197	3.31252	3.27047	- .25900	.19489	.94601
1.36224	3.30837	3.26552	- .27370	.19262	.94233
1.41067	3.304161	3.26365	- .28948	.18994	.93815
1.45676	3.300383	3.26188	- .30741	.18670	.93308
1.50000	3.29719	3.26120	- .32945	.18267	.92634
1.54064	3.29352	3.26164	- .35982	.17743	.91599
1.57896	3.28937	3.26319	- .40967	.16988	.89628
1.61453	3.28548	3.26588	- .51946	.15497	.84033
1.64691	3.28188	3.26971	- .91573	.06854	.39590
1.67568	3.27843	3.27466			
1.70039	3.27476				
1.72061	3.27047				
1.73591	3.26618				
1.74585	3.26188				
1.75000	3.25759				

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00482

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 67 NUMBER PTS= 81
.00161

2.88012	3.37823	-26325	.10431	.95907
2.88042	3.38529	-25656	.10228	.96110
2.88288	3.39202	-24932	.10080	.96301
2.83740	3.39838	-24330	.09990	.96479
2.89392	3.40430	-23668	.09957	.96647
2.90236	3.40375	-23001	.09981	.96806
2.91263	3.41469	-22322	.10062	.96956
2.92466	3.41905	-21624	.10199	.97100
2.93837	3.42280	-20892	.10389	.97240
2.95368	3.42590	-20106	.10628	.97380
2.97051	3.42829	-19232	.10912	.97525
2.99215	3.42980	-19810	.11285	.97366
3.02077	3.43045	-20614	.11860	.97131
3.05468	3.43046	-21628	.12644	.96811
3.13150	3.42951	-23540	.14822	.96053
3.17101	3.42901	-23823	.16140	.95770
3.20898	3.42879	-23282	.17505	.95664
3.24369	3.42910	-21829	.18815	.95758
3.27344	3.43016	-19561	.19985	.96010
3.29552	3.43219	-16709	.20958	.96341
3.31175	3.43546	-14438	.21655	.96554
3.32001	3.43985	-12573	.21909	.96757
3.32277	3.44508	-11143	.21632	.96994
3.32145	3.45088	-10141	.20907	.97263
3.31751	3.45694	-09430	.19915	.97537
3.30753	3.46875	-08670	.17841	.98013
3.30437	3.47392	-08295	.16990	.98196
3.30437	3.47823	-07843	.16346	.98343
3.30896	3.48139	-07298	.15954	.98450
3.31842	3.48339	-06648	.15754	.98527
3.33144	3.48453	-06025	.15635	.98586
3.34710	3.48436	-05435	.15576	.98630
3.36274	3.48431	-04359	.15568	.98685
3.41807	3.48266	-03390	.15603	.98717
3.43334	3.48184	-02930	.15600	.98732
3.44580	3.48124	-02483	.15564	.98750
3.45454	3.48101	-02055	.15481	.98773
3.45955	3.48121	-01846	.15334	.98800
3.46179	3.48173	-01560	.15131	.98836
3.46187	3.48241	-01195	.14897	.98877
3.45788	3.48374	-00204	.14426	.98954
3.45232	3.48408	.01204	.14066	.98999
3.45043	3.48352	.02085	.13962	.98998
3.43992	3.48329	.03087	.13928	.98977
3.45139	3.48024	.04204	.13977	.98929
3.45545	3.47732	.05074	.14126	.98867
3.46183	3.47364	.05873	.14368	.98788
3.47852	3.46448	.07275	.15083	.98588
3.49539	3.45380	.08527	.16015	.98340
3.50199	3.44321	.09159	.16516	.98200
3.50636	3.44262	.09831	.17007	.98052
3.50775	3.43116	.10504	.17452	.97897
3.50538	3.43196	.11367	.17814	.97742
3.49799	3.42716	.12557	.18065	.97550
3.48561	3.42273	.13643	.18227	.97374
3.45942	3.41650	.14591	.18310	.97221
3.45061	3.41432	.15383	.18329	.97095
3.43969	3.40554	.16498	.18260	.96925
3.43035	3.40063	.16838	.18217	.96874

.90011	3.37294	.17047	.18200	.96841
.95004	3.35884	.17127	.18232	.96821
1.00000	3.34925	.17058	.18338	.96811
1.05000	3.34159	.17345	.18498	.96724
1.10252	3.34874	.17676	.18694	.96634
1.15409	3.35566	.17966	.18910	.96538
1.25992	3.37444	.18674	.19330	.96321
1.31143	3.38250	.19169	.19495	.96190
1.36168	3.38717	.19811	.19603	.96038
1.41017	3.38655	.20631	.19637	.95858
1.45644	3.37875	.21656	.19587	.95642
1.50000	3.36187	.22913	.19456	.95375
1.54101	3.33686	.24299	.19296	.95064
1.57963	3.30636	.25708	.19135	.94726
1.61543	3.27113	.27195	.18958	.94345
1.64797	3.23189	.28832	.18747	.93900
1.67620	3.18938	.30741	.18483	.93346
1.70149	3.14432	.33142	.18137	.92589
1.72160	3.09746	.36523	.17658	.91402
1.73668	3.04953	.42183	.16906	.89077
1.74829	3.00125	.54969	.15234	.82136
1.75000	2.95336	.97393	.03888	.22349

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00490

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
MDI NUMBER= 68 NUMBER PTS= 82
.00169

-2.00000	2.82793	-25883	.10406	.96030
-1.97367	2.82767	-25310	.10229	.96202
-1.94595	2.82974	-24745	.10101	.96362
-1.92010	2.83403	-24184	.10022	.96513
-1.89338	2.84048	-23624	.09993	.96654
-1.86703	2.84899	-23060	.10013	.96788
-1.84133	2.85948	-22486	.10083	.96916
-1.81651	2.87186	-21895	.10201	.97039
-1.79285	2.88605	-21272	.10367	.97160
-1.77059	2.90197	-20599	.10578	.97282
-1.75000	2.91953	-19840	.10829	.97412
-1.73073	2.94239	-20818	.11153	.97171
-1.71185	2.97302	-21902	.11665	.96872
-1.69473	3.00954	-23039	.12366	.96521
-1.65110	3.09274	-24677	.14311	.95845
-1.62774	3.13566	-24637	.15483	.95673
-1.60150	3.17694	-23751	.16696	.95693
-1.57182	3.21471	-21997	.17859	.95902
-1.53821	3.24710	-19512	.18886	.96242
-1.50000	3.27221	-16535	.19709	.96634
-1.45750	3.28860	-14240	.20263	.96855
-1.41181	3.29714	-12333	.20441	.97108
-1.36350	3.29944	-10857	.20175	.97340
-1.31315	3.29712	-09809	.19537	.97561
-1.26132	3.29178	-09112	.18676	.97817
-1.15551	3.27854	-08279	.16801	.98217
-1.10268	3.27386	-07923	.16143	.98370
-1.05065	3.27261	-07516	.15587	.98491
-1.00000	3.27642	-07036	.15253	.98579
-.95015	3.28546	-06400	.15086	.98648
-.90017	3.29819	-05783	.14988	.98701
-.85010	3.31367	-05199	.14941	.98741

-74982	3.34917	3.48950	- .04137	.14940	.98791
-64959	3.38446	3.48785	- .03188	.14976	.98821
-59359	3.33969	3.48735	- .02742	.14975	.98834
-54972	3.41205	3.48646	- .02312	.14947	.98850
-50000	3.42081	3.48622	- .01904	.14878	.98869
-45029	3.42527	3.48643	- .01689	.14751	.98892
-40044	3.42697	3.48696	- .01401	.14572	.98923
-35048	3.42636	3.48767	- .01042	.14363	.98958
-25032	3.42087	3.48905	- .00078	.13940	.99024
-15006	3.41400	3.48943	- .01280	.13612	.99061
-09997	3.41169	3.48889	- .02126	.13516	.99060
-04954	3.41099	3.48768	- .03087	.13480	.99039
.00000	3.41256	3.48564	- .04157	.13519	.98995
.04986	3.41706	3.48272	- .04986	.13644	.99039
.09971	3.42414	3.47902	- .05753	.13845	.98939
.14956	3.43300	3.47469	- .06460	.14113	.98870
.24932	3.45275	3.46461	- .07740	.14811	.98788
.29928	3.46200	3.45912	- .08349	.15215	.98594
.34930	3.46974	3.45351	- .08971	.15634	.98482
.39942	3.47515	3.44790	- .09628	.16044	.98362
.44965	3.47740	3.44242	- .10341	.16414	.98234
.50000	3.47567	3.43721	- .11117	.16712	.98100
.55034	3.46873	3.43239	- .12227	.16921	.97965
.60053	3.45666	3.42795	- .13253	.17063	.97797
.65061	3.44069	3.42371	- .14164	.17147	.97638
.70059	3.42201	3.41953	- .14944	.17183	.97495
.80037	3.38143	3.41073	- .16095	.17171	.97373
.85023	3.36193	3.40581	- .16476	.17155	.97191
.90011	3.34459	3.40034	- .16734	.17156	.97130
.95002	3.33060	3.39417	- .16871	.17193	.97086
1.00000	3.32119	3.38714	- .16879	.17284	.97055
1.05070	3.31818	3.37874	- .17319	.17284	.97038
1.10245	3.32132	3.36881	- .17696	.17431	.96934
1.15481	3.32858	3.35779	- .18033	.17643	.96828
1.20951	3.334835	3.34318	- .18737	.17899	.96718
1.31094	3.35680	3.32244	- .19197	.18459	.96479
1.36116	3.36176	3.31131	- .19792	.18711	.96340
1.40971	3.36130	3.30121	- .20563	.18909	.96181
1.45614	3.35350	3.29258	- .21537	.19027	.95996
1.50000	3.33642	3.28584	- .22727	.19044	.95778
1.54135	3.31108	3.28072	- .24046	.18953	.95521
1.58025	3.28027	3.27669	- .25411	.18819	.95224
1.61626	3.24471	3.27375	- .26881	.18695	.94893
1.64894	3.20514	3.27191	- .28538	.18564	.94513
1.67784	3.16229	3.27120	- .30514	.18407	.94057
1.70251	3.11688	3.27162	- .33060	.18202	.93475
1.72251	3.06963	3.27318	- .36726	.17919	.92660
1.73739	3.02129	3.27589	- .43006	.17497	.91352
1.74670	2.97258	3.27978	- .57586	.16771	.88708
1.75000	2.92423	3.28484	- .99857	.14937	.80379
				.00923	.05268

WEED---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00527

WEED---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00177

MDI NUMBER= 69 NUMBER PTS= 83

-2.00360	2.77610	3.38549	- .25522	.10386	.96131
-1.97359	2.77539	3.39651	- .25029	.10230	.96275
-1.94674	2.77715	3.40323	- .24547	.10133	.96409
-1.91974	2.78128	3.40960	- .24072	.10074	.96535

-1.89387	2.78770	3.41557	- .23599	.10054	.96654
-1.86610	2.79630	3.42106	- .23123	.10073	.96767
-1.84262	2.80700	3.42604	- .22637	.10130	.96876
-1.81931	2.81970	3.43044	- .22133	.10225	.96982
-1.79225	2.83431	3.43420	- .21597	.10357	.97089
-1.77022	2.85074	3.43727	- .21007	.10525	.97200
-1.75000	2.86890	3.43958	- .20327	.10725	.97323
-1.73122	2.89289	3.44096	- .21603	.10976	.97020
-1.71255	2.92551	3.44141	- .22828	.11389	.96691
-1.69424	2.96466	3.44118	- .23816	.11964	.96358
-1.67355	3.00432	3.43973	- .24979	.13566	.95875
-1.65355	3.04322	3.43901	- .24574	.14537	.95837
-1.63012	3.10068	3.43863	- .23394	.15550	.95973
-1.60372	3.14528	3.43885	- .21463	.16525	.96261
-1.57369	3.18605	3.43992	- .18917	.17373	.96645
-1.53934	3.22093	3.44208	- .15903	.18004	.97059
-1.50030	3.24783	3.44208	- .13838	.18367	.97320
-1.45641	3.26514	3.44551	- .12048	.18437	.97544
-1.41010	3.27380	3.45001	- .10649	.18185	.97754
-1.36155	3.27558	3.45530	- .09633	.17671	.97954
-1.31125	3.27225	3.46110	- .08930	.17002	.98139
-1.25969	3.26553	3.46715	- .08041	.15623	.98444
-1.21543	3.24927	3.47888	- .07667	.15055	.98562
-1.17317	3.23177	3.48401	- .07260	.14629	.98657
-1.10230	3.24080	3.48828	- .06803	.14378	.98727
-1.05056	3.24393	3.49143	- .06145	.14260	.98787
-1.00300	3.24261	3.49344	- .05517	.14193	.98834
-90013	3.23509	3.49459	- .04926	.14164	.98869
-85006	3.26041	3.49504	- .03867	.14176	.98915
-74980	3.31574	3.49433	- .02944	.14214	.98941
-64961	3.35094	3.49281	- .02523	.14218	.98952
-59962	3.36611	3.49201	- .02125	.14201	.98964
-54974	3.37837	3.49142	- .01755	.14151	.98978
-50000	3.38677	3.49119	- .01550	.14054	.98995
-45027	3.39112	3.49141	- .01273	.13911	.99020
-40040	3.39232	3.49195	- .00924	.13741	.99047
-35043	3.39108	3.49268	- .00497	.13561	.99075
-30037	3.38811	3.49345	.00624	.13232	.99119
-20015	3.37985	3.49454	.01337	.13106	.99128
-15003	3.37528	3.49456	.02159	.13020	.99125
-09995	3.37324	3.49404	.03092	.12984	.99105
-00000	3.37233	3.49284	.04131	.13009	.99064
.04965	3.37397	3.49081	.04942	.13100	.99015
.09966	3.37886	3.48788	.05699	.13247	.98955
.14947	3.38664	3.48417	.06404	.13442	.98885
.19916	3.39641	3.47980	.07685	.13951	.98723
.24916	3.41839	3.46963	.08292	.14247	.98632
.29909	3.42882	3.46410	.08900	.14552	.98534
.34912	3.43769	3.45844	.09530	.14851	.98431
.39926	3.44411	3.45280	.10195	.15118	.98323
.44935	3.44718	3.44729	.10902	.15330	.98215
.50000	3.44603	3.44205	.11678	.15481	.98078
.55044	3.43946	3.43723	.12795	.15597	.97944
.60068	3.42767	3.43278	.13633	.15680	.97817
.65077	3.41190	3.42853	.14378	.15736	.97702
.70073	3.39337	3.42435	.15562	.15792	.97511
.80045	3.35297	3.41554	.16332	.15810	.97438
.85027	3.33355	3.41062	.16561	.15835	.97378
.90011	3.31628	3.40515	.16880	.15876	.97333
.95001	3.30241	3.39698	.17267	.15944	.97301
1.00000	3.29314	3.39195		.16074	.97178
1.05070	3.29038	3.38355			

1.10240	3.23366	3.37364	.17743	.16308	.97053
1.15466	3.30163	3.36265	.18131	.16619	.96928
1.25917	3.32217	3.33911	.18008	.17364	.96668
1.31053	3.33101	3.32740	.19212	.17732	.96522
1.36073	3.33627	3.31629	.19741	.18050	.96356
1.40934	3.33600	3.30821	.20446	.18279	.96166
1.45590	3.32823	3.29757	.21358	.18387	.95947
1.50000	3.31099	3.29030	.22477	.18349	.95698
1.54162	3.28538	3.28565	.23708	.18247	.95420
1.58076	3.27427	3.28160	.25002	.18161	.95106
1.61695	3.26184	3.27865	.26422	.18076	.94737
1.64974	3.24781	3.27682	.28057	.17973	.94286
1.67870	3.23531	3.27612	.30051	.17830	.93697
1.70335	3.08954	3.27656	.32676	.17614	.92855
1.72326	3.04193	3.27815	.36541	.17262	.91470
1.73797	2.99321	3.28090	.43313	.16589	.88593
1.74704	2.94411	3.28482	.59445	.14649	.79067
1.75000	2.89536	3.28992	.99646	-.01464	-.08283

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00563

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 70 NUMBER PTS= 83

-.2.00000	2.72576	3.39491	-.25282	.10305	.96201
-1.97353	2.72475	3.40190	-.24842	.10231	.96324
-1.94659	2.72633	3.40862	-.24420	.10180	.96437
-1.91949	2.73039	3.41499	-.24009	.10152	.96543
-1.89252	2.73684	3.42096	-.23602	.10148	.96644
-1.86597	2.74556	3.42647	-.23191	.10168	.96741
-1.84014	2.75646	3.43146	-.22768	.10210	.96837
-1.81534	2.76943	3.43586	-.22321	.10275	.96934
-1.79165	2.78437	3.43962	-.21832	.10362	.97036
-1.76997	2.80118	3.44268	-.21276	.10469	.97148
-1.75000	2.81976	3.44497	-.20607	.10594	.97279
-1.73155	2.84471	3.44828	-.20201	.10742	.96952
-1.71354	2.87919	3.45662	-.23180	.11017	.96650
-1.69527	2.92090	3.46624	-.23992	.11417	.96406
-1.65507	3.01690	3.47444	-.24175	.12566	.96217
-1.63172	3.06060	3.48355	-.23407	.13283	.96310
-1.60526	3.11439	3.49303	-.22039	.14047	.96524
-1.57495	3.15797	3.49314	-.20107	.14791	.96835
-1.54011	3.15506	3.49416	-.17711	.15424	.97203
-1.50000	3.22337	3.49635	-.15037	.15834	.97587
-1.45568	3.24124	3.49983	-.13235	.15990	.97822
-1.40894	3.24982	3.45438	-.11736	.15953	.98019
-1.36023	3.25099	3.45970	-.10551	.15730	.98190
-1.30926	3.24668	3.46554	-.09653	.15371	.98339
-1.25858	3.23876	3.47161	-.08980	.14936	.98470
-1.15419	3.21974	3.48338	-.08004	.14066	.98682
-1.10205	3.21244	3.48852	-.07565	.13713	.98766
-1.05050	3.20914	3.49260	-.07101	.13451	.98836
-1.00000	3.21174	3.49595	-.06597	.13306	.98891
-.95010	3.22018	3.49796	-.05887	.13248	.98944
-.90010	3.23247	3.49912	-.05223	.13221	.98984
-.85003	3.24764	3.49958	-.04611	.13216	.99016
-.80008	3.26080	3.49826	-.03074	.13270	.99068
-.74962	3.27175	3.49742	-.02650	.13290	.99078
-.69963	3.28294	3.49663	-.02265	.13301	.99086
-.64975	3.34512	3.49605	-.01918	.13297	.99093

- .50000	3.35341	3.49582	- .01611	.13273	.99102
- .45025	3.35752	3.49604	- .01438	.13213	.99113
- .40037	3.35830	3.49660	- .01186	.13117	.99129
- .35039	3.35651	3.49735	- .00854	.12996	.99148
- .30034	3.35292	3.49815	- .00441	.12865	.99168
- .20012	3.34339	3.49929	.00662	.12616	.99189
- .15001	3.33899	3.49934	.01366	.12516	.99204
- .09993	3.33584	3.49685	.02179	.12443	.99199
- .04992	3.33471	3.49766	.03103	.12406	.99179
.00000	3.33636	3.49564	.04135	.12412	.99140
.04984	3.34159	3.49269	.04960	.12460	.99097
.09963	3.35001	3.48894	.05736	.12536	.99045
.14941	3.36066	3.48452	.06464	.12637	.98988
.24905	3.38481	3.47421	.07786	.12899	.98958
.29997	3.39637	3.46861	.08397	.13051	.98788
.34969	3.40632	3.46288	.08948	.13209	.98715
.39915	3.41368	3.45717	.09569	.13363	.98640
.44948	3.41749	3.45162	.10148	.13500	.98563
.50000	3.41679	3.44637	.10729	.13607	.98487
.55050	3.41048	3.44154	.11505	.13692	.98388
.60078	3.39890	3.43708	.12260	.13777	.98285
.65088	3.38331	3.43284	.12985	.13860	.98180
.70083	3.36492	3.42865	.13669	.13939	.98076
.80050	3.32474	3.41986	.14878	.14079	.97980
.85029	3.30541	3.41494	.15387	.14139	.97792
.90011	3.28824	3.40947	.15824	.14192	.97715
.95000	3.27446	3.40330	.16187	.14239	.97649
1.00000	3.26531	3.39627	.16472	.14281	.97595
1.05070	3.26274	3.38788	.17228	.14393	.97448
1.10236	3.26651	3.37801	.17817	.14659	.97302
1.15457	3.27465	3.36708	.18256	.15045	.97162
1.25894	3.29601	3.34367	.18879	.16027	.96885
1.31026	3.30524	3.33203	.19206	.16542	.96734
1.36045	3.31082	3.32098	.19647	.17011	.96564
1.40908	3.31077	3.31094	.20269	.17380	.96370
1.45574	3.30308	3.30232	.21109	.17600	.96149
1.50000	3.28576	3.29554	.22153	.17628	.95909
1.54101	3.25994	3.29038	.23270	.17564	.95656
1.58110	3.22856	3.28633	.24466	.17522	.95364
1.61741	3.19238	3.28340	.25806	.17487	.95017
1.65029	3.15214	3.28161	.27380	.17441	.94584
1.67928	3.10858	3.28095	.29340	.17365	.94009
1.70392	3.06243	3.28144	.31975	.17226	.93171
1.72377	3.01445	3.28308	.35931	.16960	.91768
1.73837	2.96537	3.28588	.43002	.16373	.88785
1.74726	2.91594	3.28984	.60219	.14422	.78522
1.75000	2.86690	3.29498	.98593	-.02943	-.16457

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00597

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
MDI NUMBER= 71 NUMBER PTS= 83

- .00189	2.67800	3.40000	- .25202	.10215	.96232
- .00000	2.67691	3.40699	- .24778	.10229	.96340
- .97351	2.67848	3.41370	- .24305	.10246	.96438
- .94654	2.68260	3.42007	- .24011	.10266	.96530
- .91940	2.68916	3.42603	- .23643	.10289	.96619
- .89219	2.69804	3.43154	- .23208	.10312	.96707
- .86581	2.70912	3.43652	- .22873	.10336	.96799
- .83997					

-1.81516	2.72229	3.44092	-22440	.10360	.96997
-1.79170	2.73744	3.44467	-21944	.10383	.97009
-1.76988	2.75445	3.44772	-21347	.10404	.97139
-1.75000	2.77320	3.45000	-20588	.10424	.97301
-1.73167	2.79887	3.45148	-21919	.10434	.97009
-1.71379	2.83501	3.45148	-22744	.10434	.96808
-1.69565	2.87912	3.45094	-23021	.10708	.96723
-1.65564	2.98111	3.44874	-22068	.11312	.96876
-1.63232	3.03305	3.44765	-20982	.11726	.97068
-1.60592	3.08467	3.44694	-19561	.12187	.97308
-1.57542	3.13073	3.44691	-17830	.12645	.97582
-1.54039	3.16961	3.44783	-15835	.13016	.97877
-1.50000	3.19880	3.45000	-13700	.13188	.98175
-1.45540	3.21676	3.45351	-12458	.13165	.98344
-1.40551	3.22498	3.45810	-11429	.13063	.98482
-1.35974	3.22547	3.46347	-10586	.12907	.98597
-1.30949	3.22021	3.46936	-09887	.12726	.98693
-1.25816	3.21121	3.47549	-09284	.12539	.98775
-1.15400	3.19000	3.48735	-08197	.12214	.98912
-1.10195	3.18177	3.49253	-07646	.12097	.98971
-1.05048	3.17781	3.49684	-07057	.12023	.99023
-1.00000	3.18010	3.50000	-06419	.12000	.99070
-95009	3.18843	3.50202	-05621	.12011	.99117
-90009	3.20062	3.50319	-04895	.12029	.99153
-85002	3.21509	3.50366	-04241	.12053	.99180
-80000	3.22857	3.50239	-02687	.12136	.99224
-75000	3.24553	3.50157	-02295	.12161	.99231
-70000	3.26055	3.50080	-01961	.12182	.99236
-65000	3.27266	3.50022	-01686	.12196	.99239
-60000	3.28090	3.50000	-01469	.12201	.99242
-55000	3.28487	3.50022	-01357	.12186	.99246
-50000	3.28536	3.50080	-01148	.12144	.99253
-45000	3.28317	3.50157	-00845	.12084	.99264
-40000	3.28191	3.50239	-00447	.12012	.99275
-35000	3.28058	3.50359	-00651	.11860	.99292
-30000	3.27873	3.50367	-01360	.11792	.99293
-25000	3.27640	3.50319	-02183	.11736	.99285
-20000	3.27357	3.50202	-03121	.11697	.99264
-15000	3.26989	3.50000	-04174	.11679	.99228
-10000	3.26519	3.49704	-05057	.11671	.99188
-5000	3.25937	3.49323	-05892	.11655	.99144
0	3.25485	3.48873	-06677	.11632	.99096
5000	3.25027	3.48222	-08091	.11575	.98998
10000	3.24519	3.47250	-08715	.11543	.98949
15000	3.24061	3.46668	-09278	.11512	.98901
20000	3.23611	3.46089	-09780	.11485	.98856
25000	3.23177	3.45528	-10218	.11464	.98814
30000	3.22757	3.45000	-10595	.11454	.98775
35000	3.22353	3.44517	-11094	.11471	.98718
40000	3.21964	3.44072	-11626	.11529	.98650
45000	3.21581	3.43649	-12193	.11618	.98572
50000	3.21204	3.43232	-12788	.11727	.98483
55000	3.20833	3.42855	-14014	.11967	.98287
60000	3.20467	3.42485	-14615	.12077	.98186
65000	3.20106	3.42139	-15192	.12166	.98088
70000	3.21609	3.41703	-15735	.12224	.97995
75000	3.23790	3.41200	-16246	.12239	.97910
80000	3.26353	3.39163	-17200	.12340	.97734
85000	3.29444	3.38182	-17916	.12655	.97565
90000	3.32997	3.37097	-18406	.13138	.97409
95000	3.36700	3.34778	-18945	.14423	.97124

1.31016	3.27961	3.33624	.19171	.15118	.96974
1.36034	3.25553	3.32530	.19501	.15769	.96004
1.40859	3.26574	3.31533	.20020	.16307	.96609
1.45518	3.27821	3.30677	.20776	.16663	.96388
1.50000	3.29030	3.30000	.21740	.16770	.96157
1.54168	3.29494	3.29484	.22716	.16752	.95934
1.58123	3.29333	3.29083	.23746	.16762	.95673
1.61758	3.28683	3.28796	.25014	.16786	.95355
1.65049	3.28624	3.28624	.26492	.16809	.94951
1.67949	3.28324	3.28567	.28371	.16811	.94406
1.70413	3.28568	3.28624	.30946	.16763	.93602
1.72396	2.98731	3.28796	.34877	.16601	.92239
1.73852	2.93790	3.25083	.42013	.16137	.89300
1.74735	2.88820	3.29484	.53662	.14307	.78967
1.75000	2.83900	3.30000	.98176	-.03393	-.18707

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00628

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
MDI NUMBER= 72 NUMBER PTS= 84

-2.00000	2.62936	3.40514	-.25215	.10122	.96238
-1.97351	2.62827	3.41213	-.24767	.10137	.96348
-1.94655	2.62984	3.41884	-.24309	.10152	.96447
-1.91941	2.63396	3.42521	-.24008	.10166	.96542
-1.89240	2.64053	3.43118	-.23630	.10181	.96633
-1.86563	2.64941	3.43669	-.23243	.10194	.96726
-1.83998	2.66049	3.44167	-.22830	.10207	.96823
-1.81518	2.67367	3.44607	-.22374	.10219	.96928
-1.79171	2.68881	3.44983	-.21848	.10231	.97046
-1.76968	2.70581	3.45288	-.21213	.10242	.97186
-1.75000	2.72455	3.45516	-.20404	.10254	.97358
-1.73166	2.75072	3.45639	-.21690	.10232	.97082
-1.71378	2.78824	3.45649	-.22339	.10250	.96933
-1.69563	2.83437	3.45579	-.22293	.10308	.96937
-1.65561	2.94152	3.45317	-.20465	.10523	.97316
-1.63229	2.99704	3.45186	-.19007	.10661	.97596
-1.60579	3.05021	3.45096	-.17391	.10800	.97882
-1.57540	3.09828	3.45076	-.15725	.10924	.98150
-1.54038	3.13851	3.45157	-.14087	.11011	.98389
-1.50000	3.16816	3.45370	-.12550	.11039	.98593
-1.45541	3.18588	3.45722	-.11838	.10996	.98686
-1.40853	3.19352	3.46184	-.11211	.10911	.98769
-1.35975	3.19319	3.46727	-.10651	.10802	.98843
-1.30949	3.18696	3.47323	-.10130	.10685	.98910
-1.25817	3.17693	3.47943	-.09618	.10573	.98973
-1.15398	3.15377	3.49143	-.08500	.10403	.99094
-1.10193	3.14482	3.49666	-.07645	.10362	.99152
-1.05047	3.14041	3.50100	-.07102	.10357	.99208
-1.00000	3.14262	3.50417	-.06260	.10398	.99261
-.95011	3.15116	3.50619	-.05368	.10494	.99303
-.90012	3.16370	3.50736	-.04600	.10646	.99325
-.85007	3.17922	3.50783	-.03952	.10843	.99332
-.79997	3.19673	3.50775	-.03416	.11076	.99326
-.69975	3.23369	3.50655	-.02609	.11596	.99291
-.64909	3.25113	3.50572	-.02293	.11849	.99269
-.59969	3.26555	3.50495	-.02008	.12067	.99249
-.54979	3.27333	3.50437	-.01738	.12223	.99235
-.50000	3.26729	3.50415	-.01483	.12288	.99231
-.45022	3.22111	3.50438	-.01310	.12338	.99240

- .40033	3.29118	3.50497	- .01060	.12088	.99261
- .35036	3.28835	3.50577	- .00744	.11870	.99290
- .30032	3.28550	3.50652	- .00356	.11614	.99323
- .25013	3.27126	3.50788	.00694	.11094	.99380
- .15004	3.26561	3.50799	.01308	.10869	.99398
- .09997	3.26144	3.50754	.02213	.10685	.99403
- .04895	3.25964	3.50638	.03174	.10556	.99391
- .00000	3.26106	3.50437	.04268	.10496	.99356
.04986	3.26674	3.50138	.05227	.10504	.99309
.09965	3.27637	3.49752	.06103	.10562	.99253
.14942	3.28879	3.49293	.06889	.10660	.99191
.24900	3.31742	3.48220	.08214	.10939	.99060
.34890	3.33132	3.47637	.08773	.11099	.98994
.34890	3.34343	3.47044	.09284	.11254	.98930
.39907	3.35258	3.46456	.09758	.11384	.98870
.43942	3.35763	3.45889	.10201	.11466	.98815
.50000	3.35742	3.45359	.10605	.11477	.98772
.55055	3.35105	3.44876	.11109	.11401	.98725
.60063	3.33924	3.44434	.11593	.11254	.98686
.65069	3.32327	3.44014	.12056	.11062	.98652
.70060	3.30442	3.43602	.12509	.10850	.98620
.80036	3.26324	3.42736	.13468	.10448	.98537
.85012	3.24348	3.42250	.14012	.10287	.98478
.89994	3.22599	3.41708	.14616	.10171	.98402
.94988	3.21206	3.41093	.15278	.10112	.98307
1.00000	3.20297	3.40389	.15987	.10128	.98193
1.05081	3.20083	3.39552	.17129	.10271	.97985
1.10252	3.20548	3.38574	.17965	.10579	.97803
1.15473	3.21481	3.37495	.18521	.11029	.97649
1.20901	3.23912	3.35192	.19013	.12302	.97402
1.31028	3.24990	3.34048	.19111	.13087	.97281
1.36041	3.25695	3.32962	.19257	.13926	.97135
1.40902	3.25817	3.31973	.19583	.14760	.96947
1.45568	3.25146	3.31121	.20218	.15503	.96700
1.50000	3.23472	3.30445	.21233	.16047	.96393
1.54191	3.25904	3.29631	.22352	.16433	.96075
1.58131	3.17749	3.29534	.23637	.16759	.95710
1.61774	3.14085	3.29253	.25125	.17019	.95284
1.65071	3.09997	3.29089	.26894	.17206	.94766
1.67978	3.05566	3.29039	.29100	.17314	.94093
1.70446	3.00875	3.29105	.32067	.17320	.93122
1.72429	2.96005	3.29284	.36536	.17161	.91491
1.73880	2.91037	3.29577	.44575	.16613	.87961
1.74753	2.86055	3.29983	.64090	.14349	.75409
1.75000	2.81139	3.30501	.96597	-.04616	-.25451

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS .00655

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS .00208

MDI NUMBER= 73 NUMBER PTS= 84

-2.00000	2.57668	3.41066	- .25225	.10057	.96241
-1.97352	2.57552	3.41766	- .24795	.10073	.96352
-1.94657	2.57695	3.42438	- .24311	.10086	.96454
-1.91944	2.58086	3.43077	- .24002	.10098	.96550
-1.89244	2.58717	3.43677	- .23615	.10108	.96644
-1.86587	2.59527	3.44231	- .23217	.10116	.96740
-1.84003	2.60657	3.44732	- .22790	.10123	.96841
-1.81522	2.61948	3.45175	- .22317	.10128	.96950
-1.79174	2.63441	3.45553	- .21770	.10133	.97074

-1.76990	2.65124	3.45859	- .21108	.10138	.97220
-1.75000	2.63990	3.46088	- .20265	.10145	.97398
-1.73164	2.61643	3.46207	- .21471	.10106	.97144
-1.71374	2.73500	3.46208	- .21971	.10081	.97034
-1.69557	2.78269	3.46123	- .21711	.10074	.97094
-1.65553	2.83378	3.45823	- .19423	.10098	.97574
-1.63221	2.95134	3.45672	- .17830	.10116	.97876
-1.60572	3.03637	3.45563	- .16197	.10128	.98158
-1.57534	3.05594	3.45528	- .14648	.10131	.98401
-1.54034	3.09713	3.45588	- .13248	.10125	.98600
-1.50000	3.12704	3.45807	- .12026	.10108	.98758
-1.45544	3.14441	3.46161	- .11536	.10059	.98822
-1.40856	3.15138	3.46626	- .11079	.99881	.98882
-1.36978	3.15014	3.47174	- .10642	.99889	.98939
-1.30950	3.14286	3.47776	- .10203	.99793	.98995
-1.25816	3.13173	3.48403	- .09739	.99706	.99050
-1.15393	3.10664	3.49615	- .08632	.99589	.99164
-1.10188	3.09703	3.50144	- .07948	.99572	.99223
-1.05043	3.09229	3.50581	- .07153	.99593	.99281
-1.00000	3.08460	3.50900	- .06239	.99556	.99337
- .95016	3.10374	3.51100	- .05351	.99782	.99376
- .90022	3.11729	3.51215	- .04598	.99979	.99395
- .85020	3.13415	3.51259	- .03978	.10238	.99395
- .80014	3.15318	3.51247	- .03481	.10551	.99381
- .69994	3.19334	3.51119	- .02760	.11284	.99323
- .64006	3.21223	3.51032	- .02469	.11657	.99288
- .59983	3.22883	3.50952	- .02176	.11988	.99255
- .54987	3.24203	3.50892	- .01853	.12231	.99232
- .50000	3.25072	3.50859	- .01500	.12334	.99225
- .45015	3.25429	3.50893	- .01212	.12263	.99238
- .40025	3.25337	3.50954	- .00881	.12046	.99268
- .35028	3.24956	3.51038	- .00522	.11732	.99308
- .30028	3.24326	3.51127	- .00123	.11372	.99351
- .20020	3.22781	3.51263	.00888	.10659	.99426
- .15013	3.22067	3.51277	.01551	.10358	.99450
- .10007	3.21525	3.51236	.02343	.10116	.99459
- .05002	3.21256	3.51122	.03272	.09948	.99450
- .00000	3.21360	3.50921	.04331	.09869	.99418
.04993	3.21955	3.50620	.05281	.09887	.99370
.09975	3.23003	3.50229	.06139	.09983	.99311
.14945	3.24375	3.49763	.06896	.10142	.99245
.19898	3.27572	3.48672	.08139	.10594	.99104
.24872	3.29137	3.46080	.08664	.10856	.99031
.29822	3.30506	3.47478	.09160	.11111	.98958
.34879	3.31549	3.46883	.09650	.11327	.98887
.39895	3.32138	3.46310	.10146	.11465	.98821
.44933	3.32140	3.45777	.10630	.11487	.98768
.50000	3.31457	3.45296	.11216	.11359	.98718
.55061	3.30168	3.44858	.11731	.11103	.98687
.60086	3.28421	3.44447	.12174	.10775	.98670
.65083	3.26358	3.44044	.12572	.10424	.98657
.70061	3.21867	3.43197	.13396	.09787	.98614
.79952	3.19728	3.42719	.13890	.09543	.98570
.84963	3.17854	3.42182	.14463	.09369	.98504
.89949	3.15389	3.41569	.15114	.09280	.98415
.94958	3.15478	3.40862	.15822	.09298	.98302
1.00000	3.15339	3.40020	.16963	.09445	.98097
1.05112	3.15942	3.39040	.17791	.09728	.97923
1.10300	3.17063	3.37960	.18332	.10132	.97782
1.15327	3.19563	3.35659	.18742	.11296	.97576
1.20945	3.21293	3.34517	.18756	.12058	.97483

1.36061	3.22244	3.33432	.18766	.12919	.97366
1.40310	3.22530	3.32445	.18947	.13843	.97200
1.45569	3.22109	3.31594	.19537	.14753	.96957
1.50000	3.20574	3.30919	.20588	.15531	.96617
1.54199	3.18036	3.29405	.21809	.16162	.96245
1.58154	3.14992	3.30009	.23259	.16697	.95813
1.61816	3.11353	3.29732	.24961	.17129	.95308
1.65113	3.07266	3.29571	.26987	.17452	.94695
1.68056	3.02822	3.29526	.29506	.17660	.93902
1.70534	2.96110	3.29598	.32882	.17733	.92759
1.72518	2.93220	3.29779	.37976	.17599	.90819
1.73957	2.88240	3.30076	.47229	.16977	.86494
1.74901	2.93261	3.30484	.69893	.14053	.70125
1.75000	2.78371	3.31003	.90290	-.07670	-.42294

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00677

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00223

MDI NUMBER= 74 NUMBER PTS= 85

-2.00000	2.52150	3.41641	-.25245	.10011	.96242
-1.97354	2.52025	3.42342	-.24803	.10027	.96355
-1.94660	2.52144	3.43017	-.24391	.10040	.96459
-1.91948	2.52501	3.43659	-.23934	.10049	.96557
-1.89249	2.53089	3.44263	-.23598	.10056	.96654
-1.86593	2.53904	3.44821	-.23189	.10061	.96752
-1.84009	2.54938	3.45327	-.22751	.10063	.96856
-1.81527	2.56186	3.45773	-.22264	.10065	.96969
-1.79179	2.57641	3.46155	-.21699	.10066	.97097
-1.76993	2.59298	3.46464	-.21016	.10068	.97247
-1.75000	2.61151	3.46694	-.20146	.10071	.97430
-1.73161	2.63828	3.46810	-.21240	.10022	.97203
-1.71368	2.67756	3.46902	-.21598	.09973	.97129
-1.69548	2.72633	3.46704	-.21175	.09928	.97227
-1.65541	2.84015	3.46372	-.18626	.09850	.97755
-1.63209	2.89912	3.46204	-.16994	.09807	.98056
-1.60501	2.95541	3.46079	-.15404	.09760	.98323
-1.57525	3.00597	3.46031	-.13972	.09712	.98542
-1.54029	3.04775	3.46093	-.12748	.09666	.98712
-1.50000	3.07774	3.46298	-.11733	.09631	.98841
-1.45549	3.09470	3.46653	-.11346	.09581	.98891
-1.40661	3.10096	3.47121	-.10971	.09507	.98941
-1.35981	3.09879	3.47673	-.10536	.09423	.98990
-1.30951	3.09048	3.48280	-.10204	.09338	.99039
-1.25813	3.07828	3.48913	-.09772	.09262	.99089
-1.15385	3.05137	3.50137	-.08696	.09169	.99198
-1.10180	3.04121	3.50670	-.06013	.09165	.99256
-1.05037	3.03626	3.51110	-.07213	.09196	.99315
-1.00000	3.03883	3.51429	-.06267	.09270	.99371
-.95024	3.04884	3.51629	-.05450	.09409	.99407
-.90037	3.06389	3.51740	-.04745	.09626	.99422
-.85041	3.08269	3.51778	-.04173	.09913	.99420
-.80038	3.10337	3.51761	-.03721	.10264	.99402
-.75021	3.14880	3.51619	-.03060	.11102	.99335
-.65011	3.16980	3.51527	-.02765	.11539	.99294
-.60003	3.18214	3.51441	-.02429	.11933	.99256
-.54599	3.20253	3.51379	-.02014	.12224	.99230
-.50000	3.21171	3.51354	-.01517	.12349	.99223
-.45006	3.21456	3.51379	-.01077	.12267	.99239
-.40012	3.21321	3.51443	-.00635	.12011	.99274

-350.8	3.26765	3.51531	-0.0211	.11644	.99320
-30023	3.13944	3.51625	.00211	.11225	.99368
-20028	3.17976	3.51771	.01183	.10408	.99450
-15027	3.17065	3.51790	.01802	.10068	.99476
-10023	3.16357	3.51752	.02538	.09797	.99487
-05014	3.15971	3.51641	.03402	.09609	.99479
-00000	3.16023	3.51440	.04382	.09521	.99449
-05004	3.16645	3.51138	.05268	.09545	.99404
-09939	3.17791	3.50742	.06069	.09663	.99347
-14961	3.19313	3.50271	.06773	.09857	.99282
-24895	3.22896	3.49167	.07930	.10407	.99140
-29871	3.24663	3.48568	.08436	.10725	.99065
-34862	3.26215	3.47959	.08942	.11035	.98986
-39376	3.27406	3.47358	.09480	.11296	.98907
-44920	3.28089	3.46781	.10062	.11463	.98830
-50000	3.28116	3.46245	.10666	.11490	.98763
-55071	3.27363	3.45766	.11332	.11332	.98701
-60091	3.25919	3.45334	.11988	.11019	.98666
-65074	3.23952	3.44932	.12455	.10620	.98651
-70032	3.21629	3.44541	.12834	.10200	.98647
-79928	3.16594	3.43719	.13549	.09453	.98626
-84891	3.14218	3.43251	.13975	.09174	.98593
-89882	3.12162	3.42720	.14478	.08976	.98538
-94914	3.10592	3.42108	.15054	.08875	.98461
1.00000	3.09678	3.41397	.15675	.08895	.98362
1.05157	3.09644	3.40547	.16758	.09042	.98170
1.10371	3.10440	3.39560	.17535	.09306	.98010
1.15607	3.11820	3.38474	.18028	.09678	.97884
1.20832	3.13544	3.37329	.18274	.10161	.97790
1.26010	3.15366	3.36164	.18325	.10760	.97716
1.31107	3.17044	3.35019	.18260	.11484	.97646
1.36090	3.18335	3.33932	.18195	.12330	.97555
1.40922	3.18994	3.32942	.18295	.13274	.97412
1.45570	3.18780	3.32090	.18775	.14251	.97182
1.50000	3.17447	3.31415	.19845	.15148	.96834
1.54211	3.15106	3.30900	.21137	.15917	.96436
1.58188	3.12092	3.30505	.22705	.16581	.95966
1.61878	3.08504	3.30228	.24566	.17129	.95410
1.65223	3.04442	3.30068	.26796	.17555	.94730
1.68171	3.00002	3.30024	.29582	.17851	.93841
1.70664	2.95284	3.30094	.33342	.17995	.92544
1.72609	2.90387	3.30279	.39089	.17903	.90286
1.74070	2.85408	3.30577	.49809	.17216	.84986
1.74872	2.80446	3.30986	.76870	.13313	.62561
1.75000	2.75600	3.31505	.77957	-.11176	-.61626

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00693

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 75 NUMBER PTS= 84

-2.00000	2.46539	3.42224	-.25261	.09977	.96241
-1.97356	2.43404	3.42925	-.24810	.09993	.96357
-1.94663	2.43495	3.43603	-.24390	.10005	.96463
-1.91953	2.46811	3.44249	-.23984	.10014	.96563
-1.89255	2.47351	3.43857	-.23579	.10019	.96662
-1.86600	2.48111	3.45420	-.23161	.10021	.96763
-1.84076	2.49092	3.45931	-.22712	.10021	.96870
-1.81534	2.50289	3.46382	-.22212	.10020	.96988
-1.79164	2.51702	3.46768	-.21633	.10018	.97117

-1.76996	2.53328	3.47080	-20932	.10017	.97270
-1.75000	2.55165	3.47311	-20041	.10018	.97458
-1.73157	2.57852	3.47425	-21000	.09965	.97261
-1.71300	2.61820	3.47411	-21221	.09902	.97219
-1.69538	2.66757	3.47303	-20671	.09838	.97344
-1.65527	2.78291	3.46946	-17982	.09705	.97890
-1.63105	2.84264	3.46705	-16363	.09633	.98181
-1.60548	2.89959	3.46629	-14839	.09560	.98430
-1.57515	2.95064	3.46570	-13516	.09489	.98627
-1.54023	2.99268	3.46625	-12426	.09428	.98776
-1.50000	3.02258	3.46828	-11554	.09365	.98866
-1.45554	3.03911	3.47183	-11210	.09336	.98930
-1.40868	3.04468	3.47653	-10871	.09266	.98975
-1.35986	3.04164	3.48209	-10528	.09187	.99019
-1.30953	3.03237	3.48820	-10163	.09109	.99064
-1.25811	3.01922	3.49458	-09754	.09041	.99112
-1.15375	2.99076	3.50691	-08720	.08961	.99215
-1.10170	2.98017	3.51227	-08057	.08963	.99271
-1.05030	2.97516	3.51670	-07278	.09001	.99328
-1.00000	2.97809	3.51989	-06376	.09080	.99383
-95033	2.98915	3.52187	-05620	.09225	.99415
-90054	3.00598	3.52294	-04946	.09452	.99427
-85065	3.02709	3.52327	-04475	.09753	.99423
-80068	3.05101	3.52302	-04073	.10122	.99403
-70055	3.10136	3.52146	-03457	.11008	.99332
-65042	3.12484	3.52047	-03139	.11473	.99290
-60027	3.14523	3.51956	-02735	.11892	.99253
-55013	3.16103	3.51889	-02201	.12204	.99228
-50000	3.17078	3.51963	-01535	.12339	.99224
-44994	3.17367	3.51889	-00920	.12352	.99242
-39996	3.17077	3.51956	-00348	.11981	.99279
-35005	3.16346	3.52048	.00156	.11591	.99326
-30017	3.15308	3.52147	.00612	.11146	.99375
-20039	3.12862	3.52303	.01549	.10280	.99458
-15044	3.11727	3.52327	.02114	.09920	.99481
-10041	3.10831	3.52292	.02779	.09635	.99496
-05027	3.10311	3.52183	.03553	.09437	.99490
-00000	3.10305	3.51982	.04425	.09346	.99464
.05017	3.10954	3.51678	.05208	.09374	.99423
.10006	3.12201	3.51280	.05924	.09504	.99371
.14974	3.13879	3.50805	.06557	.09718	.99310
.19933	3.15822	3.50270	.07116	.09996	.99244
.29857	3.19841	3.49089	.08126	.10667	.99097
.34842	3.21585	3.48476	.08661	.11002	.99015
.39855	3.22929	3.47871	.09268	.11282	.98928
.44904	3.23709	3.47291	.09961	.11459	.98841
.50000	3.23758	3.46752	.10709	.11486	.98759
.55082	3.22925	3.46273	.11608	.11315	.98677
.60097	3.21297	3.45348	.12323	.10975	.98629
.65063	3.19072	3.45457	.12846	.10545	.98609
.69998	3.16445	3.45078	.13227	.10091	.98606
.79850	3.10773	3.44282	.13840	.09291	.98601
.84804	3.08119	3.43825	.14183	.08994	.98580
.89861	3.05849	3.43300	.14588	.08785	.98539
.94861	3.04158	3.42689	.15050	.08680	.98479
1.00000	3.03244	3.41971	.15534	.08701	.98402
1.05212	3.03335	3.41112	.16530	.08847	.98227
1.10457	2.01354	3.40115	.17234	.09100	.98083
1.15705	3.06037	3.39020	.17661	.09452	.97973
1.20925	3.08118	3.37868	.17842	.09308	.97895
1.31165	3.12416	3.35544	.17680	.11171	.97789

1.36124	3.14103	3.34452	.17524	.11993	.97719
1.40937	3.15129	3.33458	.17547	.12926	.97596
1.45572	3.15229	3.32603	.17969	.13915	.97383
1.50300	3.14133	3.31926	.19047	.14854	.97039
1.54275	3.11966	3.31411	.20384	.15685	.96636
1.58230	3.09070	3.31014	.22025	.16414	.96153
1.61953	3.05558	3.30736	.23987	.17029	.95575
1.65313	3.01538	3.30574	.26356	.17524	.94859
1.68310	2.97119	3.30529	.29340	.17890	.93910
1.70823	2.92410	3.30599	.33416	.18101	.92497
1.72809	2.87517	3.30782	.39772	.18060	.89956
1.74208	2.82551	3.31079	.52092	.17318	.83585
1.74959	2.77618	3.31488	.84389	.12005	.52290
1.75000	2.72827	3.32008	.62853	-.13879	-.76530

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00703

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MD1 NUMBER= 76 NUMBER PTS= 85

MD1 NUMBER= 76 NUMBER PTS= 85	2.40992	3.42798	-.25278	.09952	.96239
-.2.00000	2.40846	3.43500	-.24817	.09969	.96357
-1.97357	2.40910	3.44180	-.24387	.09981	.96466
-1.94667	2.41188	3.44830	-.23973	.09988	.96569
-1.91959	2.41681	3.45442	-.23539	.09991	.96670
-1.89282	2.42391	3.46010	-.23132	.09992	.96773
-1.86602	2.43320	3.46525	-.22673	.09990	.96882
-1.84024	2.44469	3.46981	-.22162	.09987	.97001
-1.81542	2.45841	3.47370	-.21570	.09983	.97134
-1.79150	2.47437	3.47684	-.20855	.09980	.97291
-1.77000	2.49259	3.47917	-.19946	.09981	.97481
-1.75000	2.51944	3.49030	-.20765	.09927	.97315
-1.73153	2.55918	3.48012	-.20863	.09859	.97301
-1.71352	2.60867	3.47899	-.20221	.09786	.97444
-1.69526	2.68677	3.47527	-.17483	.09632	.97988
-1.65512	2.72430	3.47339	-.15906	.09552	.98264
-1.63179	2.78416	3.47195	-.14456	.09471	.98495
-1.60534	2.84119	3.47130	-.13223	.09396	.98676
-1.57503	2.89225	3.47130	-.12229	.09332	.98810
-1.54016	2.93419	3.47181	-.11450	.09288	.98907
-1.50000	2.96387	3.47381	-.11107	.09240	.98951
-1.45559	2.97998	3.47736	-.10776	.09175	.98993
-1.40875	2.98493	3.48208	-.10444	.09102	.99036
-1.35991	2.98116	3.48766	-.10032	.09031	.99079
-1.30954	2.97111	3.49380	-.09701	.08968	.99124
-1.25808	2.95720	3.50021	-.09248	.08922	.99171
-1.20596	2.94188	3.50657	-.08714	.08893	.99221
-1.15365	2.92758	3.51280	-.08084	.08904	.99274
-1.10159	2.91674	3.51798	-.07346	.08945	.99328
-1.05022	2.91179	3.52242	-.06434	.09027	.99380
-1.00000	2.91518	3.52562	-.05840	.09176	.99407
-.95043	2.92735	3.52757	-.05292	.09407	.99416
-.90073	2.94603	3.53861	-.04833	.09714	.99409
-.85092	2.96955	3.55888	-.04503	.10089	.99388
-.80100	2.99621	3.58257	-.03913	.10982	.99318
-.75001	3.02229	3.60877	-.03555	.11446	.99279
-.69975	3.07835	3.65582	-.03065	.11864	.99246
-.60054	3.10085	3.69486	-.02597	.12172	.99227
-.55029	3.11811	3.72416	-.02151	.12306	.99228
-.50000	3.12846	3.73889	-.01751	.12221	.99248
-.44901	3.13095	3.75216	-.00754		

- .39979	3.12692	3.52465	- .00045	.11953	.99283
- .34391	3.11782	3.52579	.00550	.11566	.99327
- .30010	3.10524	3.52682	.01050	.11120	.99374
- .20051	3.07590	3.52847	.01961	.10247	.99454
- .15063	3.06226	3.52874	.02467	.09883	.99480
- .10061	3.05138	3.52842	.03050	.09593	.99492
- .05042	3.04482	3.52734	.03720	.09392	.99488
- .00000	3.04414	3.52534	.04462	.09259	.99467
.05032	3.05087	3.52228	.05113	.09330	.99432
.10024	3.06429	3.51829	.05724	.09467	.99386
.14989	3.08256	3.51353	.06276	.09650	.99331
.19940	3.10383	3.50817	.06778	.09978	.99270
.24843	3.14804	3.49632	.07765	.10685	.99126
.29320	3.16729	3.49017	.08344	.11002	.99042
.33931	3.18220	3.48410	.09037	.11280	.98950
.38567	3.19091	3.47828	.09852	.11453	.98852
.43300	3.19160	3.47287	.10755	.11477	.98755
.48055	3.19241	3.46309	.11847	.11304	.98650
.52895	3.16424	3.46389	.12703	.10963	.98582
.57704	3.13333	3.46307	.13307	.10528	.98550
.62551	3.10994	3.45641	.13709	.10066	.98543
.67365	3.04668	3.44868	.14228	.09247	.98550
.72169	3.01731	3.44419	.14476	.08942	.98542
.76914	2.99244	3.43899	.14764	.08727	.98518
.81602	2.97432	3.43288	.15085	.08620	.98479
.86300	2.95620	3.42563	.15400	.08643	.98428
.90951	2.96744	3.41692	.16287	.08788	.98273
.95551	2.97998	3.40635	.16901	.09035	.98146
1.00000	2.99990	3.39561	.17248	.09378	.98054
1.04207	3.02450	3.38419	.17351	.09819	.97993
1.08228	3.07581	3.36081	.17037	.11039	.97918
1.12162	3.09684	3.34983	.16814	.11834	.97863
1.16093	3.11096	3.33985	.16770	.12738	.97757
1.20000	3.11530	3.33127	.17155	.13700	.97560
1.23974	3.10699	3.32448	.18240	.14625	.97229
1.27924	3.08712	3.31931	.19599	.15456	.96835
1.31835	3.05950	3.31533	.21267	.16197	.96361
1.35705	3.02530	3.31252	.23270	.16837	.95786
1.39543	2.98569	3.31087	.25706	.17370	.95066
1.43462	2.94185	3.31039	.28803	.17785	.94096
1.47395	2.89497	3.31106	.33092	.18052	.92623
1.51342	2.84623	3.31287	.39937	.18062	.89882
1.55298	2.79679	3.31582	.53813	.17276	.82497
1.59263	2.74785	3.31990	.91272	.10087	.39595
1.63230	2.70057	3.32511	.49348	.15520	.85580

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00705

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00270
MDI NUMBER= 77 NUMBER PTS= 85

-2.06000	2.45605	3.43346	- .25293	.09935	.96237
-1.97359	2.35510	3.44051	.24622	.09953	.96358
-1.94671	2.35554	3.44733	.24384	.09964	.96468
-1.91964	2.35804	3.45385	.23961	.09970	.96574
-1.89269	2.36262	3.46000	.23539	.09973	.96677
-1.86615	2.36933	3.46571	.23102	.09972	.96782
-1.84032	2.37823	3.47089	.22635	.09968	.96893
-1.81549	2.38936	3.47548	.22115	.09963	.97014
-1.79197	2.40277	3.47939	.21512	.09958	.97150

-1.77004	2.41849	3.48256	-2.0705	.09955	.97308
-1.75000	2.43659	3.48490	-1.9863	.09954	.97501
-1.73148	2.45030	3.48602	-2.0555	.09952	.97362
-1.71534	2.46278	3.48584	-2.0556	.09936	.97369
-1.69515	2.45126	3.48471	-1.9453	.09766	.97520
-1.65447	2.46600	3.48096	-1.7157	.09621	.98046
-1.63164	2.47255	3.47968	-1.5641	.09547	.98307
-1.62519	2.47828	3.47761	-1.4257	.09475	.98524
-1.57492	2.48306	3.47695	-1.3087	.09408	.98693
-1.54009	2.48757	3.47745	-1.2145	.09351	.98818
-1.50000	2.490391	3.47944	-1.1407	.09311	.98910
-1.45565	2.491966	3.48299	-1.11035	.09266	.98956
-1.40562	2.492414	3.48771	-1.0687	.09207	.99000
-1.35947	2.491984	3.49330	-1.0348	.09142	.99042
-1.30556	2.490325	3.49945	-0.9998	.09078	.99084
-1.25805	2.489486	3.50586	-0.9617	.09023	.99127
-1.20589	2.487915	3.51223	-0.9184	.08983	.99171
-1.15355	2.486461	3.51827	-0.8682	.08964	.99218
-1.10148	2.485373	3.52366	-0.8095	.08974	.99267
-1.05015	2.484899	3.52810	-0.7413	.09017	.99316
-1.00000	2.485288	3.53129	-0.6633	.09100	.99364
-95053	2.486613	3.53324	-0.6100	.09248	.99384
-90092	2.488655	3.53424	-0.5651	.09480	.99389
-85118	2.491230	3.53448	-0.5287	.09785	.99380
-80133	2.494151	3.53412	-0.4987	.10154	.99358
-70127	3.00287	3.53233	-0.4395	.11016	.99294
-65108	3.03130	3.53123	-0.3977	.11455	.99262
-60081	3.05575	3.53024	-0.3387	.11844	.99238
-55044	3.07436	3.52951	-0.2591	.12128	.99228
-50000	3.08527	3.52923	-0.1564	.12250	.99234
-44968	3.08747	3.52951	-0.0595	.12174	.99254
-39963	3.08232	3.53021	.00251	.11027	.99286
-34977	3.07157	3.53118	.00942	.11565	.99325
-30003	3.05696	3.53223	.01497	.11144	.99366
-20063	3.02312	3.53392	.02397	.10303	.99439
-15081	3.00736	3.53421	.02846	.09947	.99463
-10082	2.99459	3.53391	.03341	.09662	.99476
-05057	2.98686	3.53284	.03894	.09454	.99475
-00000	2.98560	3.53082	.04431	.09373	.99458
.05046	2.99252	3.52777	.04992	.09404	.99432
.10043	3.00676	3.52378	.05483	.09542	.99393
.15004	3.02630	3.51902	.05947	.09764	.99344
.19946	3.04915	3.51368	.06394	.10049	.99288
.24828	3.09682	3.50185	.07381	.10712	.99150
.34768	3.11784	3.49571	.08018	.11300	.99066
.39607	3.13379	3.48965	.08605	.11030	.99066
.44369	3.14327	3.48381	.08747	.11288	.98970
.50000	3.14409	3.47839	.0901	.11445	.98864
.55107	3.13412	3.47361	.10801	.11463	.98752
.60110	3.11421	3.46945	.12085	.10979	.98622
.65039	3.06689	3.46570	.13095	.10563	.98529
.69923	3.05465	3.46212	.13801	.10116	.98478
.75561	2.98547	3.45456	.14246	.10116	.98462
.84615	2.93355	3.45013	.14690	.09307	.98476
.89626	2.92675	3.44496	.14839	.09002	.98482
.94744	2.90757	3.43883	.14993	.08787	.98478
1.00000	2.89854	3.43150	.15153	.08681	.98463
1.05332	2.90237	3.42265	.15277	.08705	.98442
1.10644	2.91685	3.41252	.16033	.08850	.98309
1.15916	2.93982	3.40139	.16537	.09098	.98203
1.21128	2.95791	3.38969	.16801	.09437	.98128
				.09873	.98083

1.31291	3.02713	3.36618	.16340	.11063	.98034
1.36200	3.05212	3.35516	.16266	.11825	.97990
1.40969	3.06994	3.34515	.15993	.12681	.97895
1.45575	3.07751	3.33654	.16371	.13582	.97711
1.50000	3.07176	3.32974	.17470	.14442	.97397
1.54256	3.05378	3.32456	.1824	.15221	.97026
1.58319	3.02757	3.32055	.20475	.15929	.96577
1.62116	2.99438	3.31771	.22458	.16557	.96029
1.65573	2.95547	3.31603	.24885	.17099	.95333
1.68615	2.91212	3.31551	.28001	.17542	.94383
1.71167	2.86559	3.31614	.32379	.17851	.92914
1.73156	2.81714	3.31792	.39527	.17908	.90094
1.74507	2.76803	3.32085	.54636	.17094	.81959
1.75147	2.71953	3.32492	.96214	.07745	.26131
1.75000	2.67291	3.33012	.39123	.16422	.90552

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00699

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 78 NUMBER PTS= 85

2.30712	3.43859	-.25307	.09927	.98234
2.30554	3.44563	-.24826	.09944	.98357
2.30590	3.45244	-.24379	.09955	.98470
2.30828	3.45897	-.23948	.09960	.98578
2.31273	3.46513	-.23519	.09962	.98683
2.31929	3.47084	-.23075	.09960	.98790
2.32804	3.47603	-.22600	.09955	.98903
2.33902	3.48063	-.22072	.09949	.97025
2.35228	3.48455	-.21462	.09943	.97162
2.36790	3.48772	-.20726	.09938	.97323
2.38591	3.49006	-.19795	.09938	.97516
2.41237	3.49121	-.20393	.09932	.97397
2.45125	3.49106	-.20345	.09836	.97413
2.49953	3.48997	-.19635	.09780	.97560
2.61208	3.48635	-.17067	.09675	.98057
2.67028	3.48451	-.15618	.09624	.98303
2.72572	3.48311	-.14283	.09574	.98511
2.77534	3.48250	-.13134	.09528	.98675
2.81612	3.48302	-.12188	.09487	.98800
2.84501	3.48501	-.11429	.09455	.98894
2.86048	3.48857	-.10996	.09417	.98947
2.86470	3.49327	-.10607	.09368	.98994
2.86016	3.49885	-.10243	.09314	.99037
2.84937	3.50498	-.09881	.09263	.99079
2.83485	3.51138	-.09502	.09219	.99120
2.81910	3.51773	-.09087	.09189	.99161
2.80464	3.52375	-.08618	.09179	.99204
2.79395	3.52912	-.08084	.09194	.99248
2.78957	3.53356	-.07475	.09240	.99291
2.79359	3.53674	-.06792	.09322	.99333
2.80815	3.53863	-.06399	.09466	.99345
2.83001	3.53968	-.06060	.09631	.99345
2.85757	3.53990	-.05772	.09984	.99333
2.88881	3.53954	-.05510	.10331	.99312
2.95437	3.53772	-.04874	.11115	.99261
2.98468	3.53661	-.04375	.11499	.99240
3.01068	3.53560	-.03674	.11831	.99230
3.03036	3.53467	-.02737	.12069	.99231
3.04173	3.53459	-.01572	.12172	.99244

- .44350	3.01357	3.53487	- .00455	.12108	.99263
- .39837	3.02765	3.53557	.00514	.11899	.99288
- .34964	3.02765	3.53654	.01302	.11587	.99318
- .29977	3.03350	3.53759	.01923	.11217	.99350
- .25074	2.97178	3.53928	.02839	.10456	.99411
- .15038	2.95429	3.53957	.03236	.10126	.99433
- .10110	2.94016	3.53926	.03643	.09858	.99446
- .05071	2.93128	3.53818	.04072	.09671	.99448
- .00000	2.92953	3.53616	.04511	.09585	.99437
.05059	2.93657	3.53310	.04846	.09615	.99419
.10060	2.95138	3.52913	.05209	.09745	.99388
.15018	2.97185	3.52441	.05583	.09953	.99347
.19952	2.99586	3.51910	.05983	.10216	.99297
.24935	3.04606	3.50737	.07001	.10812	.99167
.34778	3.06802	3.50127	.07711	.11088	.99084
.39765	3.09507	3.49522	.08596	.11306	.98986
.44353	3.03510	3.48940	.08654	.11434	.98874
.50000	3.03599	3.48397	.10842	.11444	.98750
.55119	3.03537	3.47918	.12300	.11301	.98595
.60116	3.03411	3.47504	.13466	.11022	.98474
.65028	3.03491	3.47132	.14294	.10654	.98398
.69889	3.00047	3.46777	.14811	.10249	.98365
.79603	2.92677	3.46028	.15220	.09491	.98378
.84528	2.89292	3.45586	.15268	.09196	.98399
.89545	2.86469	3.45068	.15279	.08988	.98416
.94690	2.84478	3.44350	.15258	.08855	.98429
1.00000	2.83591	3.43709	.15169	.08911	.98440
1.05387	2.84057	3.42819	.15763	.09057	.98334
1.10730	2.85727	3.41794	.16130	.09307	.98251
1.16014	2.883279	3.40676	.16261	.09652	.98196
1.21222	2.91388	3.39502	.16176	.10090	.98158
1.31349	2.97984	3.37146	.15584	.11252	.98135
1.36235	3.00823	3.36042	.15295	.11969	.98096
1.40933	3.02924	3.35040	.15241	.12751	.98006
1.45577	3.02964	3.34179	.15657	.13550	.97833
1.50000	3.03620	3.33498	.16784	.14295	.97540
1.54270	3.01998	3.32979	.18103	.14973	.97201
1.58360	2.99514	3.32575	.19686	.15608	.96793
1.62191	2.96300	3.32288	.21586	.16193	.96290
1.65683	2.92488	3.32117	.23927	.16720	.95645
1.68754	2.88212	3.32061	.26968	.17173	.94751
1.71325	2.83606	3.32121	.31300	.17510	.93347
1.73316	2.78802	3.32296	.38517	.17606	.90590
1.74645	2.73933	3.32587	.54454	.16787	.82176
1.75233	2.69132	3.32992	.98742	.05445	.14841
1.75000	2.64533	3.33512	.31984	- .16907	- .93226

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00710

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MOI NUMBER= 79 NUMBER PTS= 84

-2.00000	2.26292	3.44315	- .25317	.09929	.96231
-1.97363	2.26136	3.45018	- .24828	.09945	.96357
-1.94678	2.26182	3.45698	- .24374	.09955	.96472
-1.91974	2.26433	3.46349	- .23937	.09960	.96581
-1.89281	2.26895	3.46962	- .23501	.09960	.96680
-1.86628	2.27570	3.47531	- .23051	.09957	.96798
-1.84046	2.28462	3.48048	- .22571	.09952	.96910
-1.81562	2.29576	3.48505	- .22037	.09945	.97033

-1.79207	2.30915	3.48895	-2.1422	.09938	.97172
-1.77010	2.32482	3.49211	-2.0682	.09934	.97332
-1.75000	2.34283	3.49445	-1.9748	.09934	.97526
-1.73141	2.36891	3.49563	-2.0312	.09898	.97414
-1.71331	2.40688	3.49556	-2.0288	.09867	.97422
-1.69496	2.45382	3.49458	-1.9683	.09844	.97548
-1.65471	2.56299	3.49124	-1.7316	.09820	.97999
-1.63138	2.61941	3.48955	-1.5932	.09811	.98234
-1.60495	2.67317	3.48829	-1.4608	.09802	.98440
-1.57472	2.72138	3.48778	-1.3420	.09789	.98611
-1.53998	2.76112	3.48838	-1.2395	.09773	.98746
-1.50000	2.78949	3.49041	-1.1535	.09754	.98852
-1.45574	2.80481	3.49394	-1.1004	.09727	.98916
-1.40893	2.80902	3.49862	-1.0545	.09695	.98969
-1.36005	2.80459	3.50415	-1.0131	.09664	.99015
-1.30958	2.79403	3.51025	-0.9738	.09636	.99057
-1.25377	2.76446	3.52290	-0.8943	.09609	.99135
-1.19538	2.75043	3.52888	-0.8512	.09617	.99172
-1.10131	2.74023	3.53421	-0.8043	.09645	.99208
-1.05002	2.73635	3.53862	-0.7533	.09697	.99243
-1.00000	2.74128	3.54180	-0.6982	.09776	.99276
-95070	2.75612	3.54374	-0.6755	.09908	.99278
-90124	2.77891	3.54475	-0.6535	.10110	.99273
-85163	2.80758	3.54500	-0.6316	.10368	.99260
-80187	2.84005	3.54467	-0.6071	.10663	.99244
-70187	2.90809	3.54292	-0.5323	.11292	.99218
-65164	2.93950	3.54185	-0.4716	.11582	.99215
-60125	2.96640	3.54088	-0.3897	.11824	.99222
-55071	2.98671	3.54016	-0.2846	.11994	.99237
-50000	2.99836	3.53989	-0.1573	.12067	.99257
-44946	3.00014	3.54016	-0.0349	.12022	.99274
-39934	2.99357	3.54085	.00720	.11870	.99290
-34954	2.98064	3.54179	.01601	.11636	.99308
-29992	2.96331	3.54281	.02298	.11350	.99327
-20083	2.92340	3.54443	.03271	.10737	.99368
-15112	2.90478	3.54469	.03630	.10459	.99385
-10115	2.88969	3.54435	.03952	.10229	.99397
-05082	2.88011	3.54325	.04250	.10067	.99401
-00000	2.87803	3.54122	.04516	.09991	.99397
.05070	2.88508	3.53817	.04671	.10016	.99387
.10074	2.93015	3.53424	.04899	.10126	.99365
.15029	2.92106	3.52957	.05191	.10298	.99333
.19957	2.94564	3.52434	.05560	.10512	.99290
.29804	2.99708	3.51275	.06655	.10976	.99173
.34761	3.01959	3.50672	.07448	.11179	.99094
.39767	3.03706	3.50073	.08429	.11334	.98997
.44840	3.04732	3.49494	.09585	.11419	.98882
.50000	3.04818	3.48950	.10874	.11418	.98749
.55128	3.03717	3.48469	.12471	.11308	.98573
.60121	3.01514	3.48053	.13783	.11098	.98422
.65018	2.98491	3.47678	.14752	.10815	.98313
.69860	2.94930	3.47321	.15380	.10493	.98251
.79539	2.87324	3.46563	.15827	.09857	.98246
.84456	2.83843	3.46116	.15787	.09599	.98278
.89478	2.80953	3.45592	.15646	.09413	.98319
.94646	2.78937	3.44968	.15420	.09323	.98363
1.00000	2.78077	3.44219	.15084	.09353	.98412
1.05432	2.78629	3.43322	.14559	.09499	.98340
1.10801	2.80438	3.42294	.15644	.09756	.98286
1.16094	2.83171	3.41175	.15624	.10109	.98253
1.21299	2.86493	3.40003	.15424	.10549	.98239

1.31396	2.93568	3.37653	.14750	.11657	.98217
1.36264	2.96651	3.36553	.14507	.12296	.98175
1.40996	2.98987	3.35554	.14544	.12959	.98084
1.45578	3.00241	3.34695	.15056	.13602	.97920
1.50000	3.00079	3.34015	.16230	.14175	.97651
1.54281	2.98607	3.33494	.17471	.14703	.97358
1.58394	2.96245	3.33089	.18930	.15229	.97004
1.62253	2.93132	3.32799	.20682	.15746	.96563
1.65773	2.89404	3.32625	.22862	.16240	.95987
1.68869	2.85198	3.32567	.25736	.16689	.95180
1.71456	2.80650	3.32624	.29889	.17045	.93894
1.73447	2.75898	3.32797	.36920	.17173	.91334
1.74758	2.71078	3.33086	.52938	.16385	.83241
1.75305	2.66328	3.33490	.99534	.03756	.08879
1.75000	2.61785	3.34011	.27309	-.17168	-.04555

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00714

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00235

MDI NUMBER= 80 NUMBER PTS= 84

-2.00000	2.22559	3.44701	-.25322	.09946	.96228
-1.97364	2.22414	3.45402	-.24928	.09960	.96355
-1.94680	2.22492	3.46079	-.24369	.09970	.96472
-1.91977	2.22790	3.46724	-.23927	.09974	.96582
-1.89285	2.23309	3.47331	-.23488	.09974	.96689
-1.86632	2.24045	3.47893	-.23035	.09971	.96798
-1.84050	2.24999	3.48403	-.22552	.09966	.96913
-1.81566	2.26169	3.48854	-.22018	.09959	.97036
-1.79210	2.27553	3.49239	-.21402	.09953	.97174
-1.77012	2.29151	3.49551	-.20664	.09950	.97334
-1.75000	2.30960	3.49784	-.19738	.09953	.97526
-1.73139	2.33521	3.49906	-.20363	.09961	.97399
-1.71326	2.37193	3.49912	-.20495	.09961	.97369
-1.69490	2.41705	3.49833	-.20112	.10007	.97444
-1.65463	2.52161	3.49546	-.18107	.10132	.97824
-1.63130	2.57560	3.49401	-.16766	.10191	.98056
-1.60468	2.62712	3.49297	-.15384	.10241	.98278
-1.57466	2.67345	3.49266	-.14058	.10276	.98472
-1.53994	2.71186	3.49338	-.12845	.10296	.98636
-1.50000	2.73965	3.49545	-.11774	.10298	.98769
-1.45577	2.75499	3.49896	-.11089	.10292	.98849
-1.40897	2.75951	3.50360	-.10515	.10297	.98911
-1.36008	2.75563	3.50907	-.10012	.10312	.98962
-1.30959	2.74579	3.51509	-.09556	.10339	.99004
-1.20573	2.71794	3.52758	-.08723	.10425	.99072
-1.15333	2.70478	3.53348	-.08331	.10484	.99099
-1.10125	2.69538	3.53875	-.07953	.10550	.99123
-1.04998	2.69216	3.54311	-.07590	.10622	.99144
-1.00000	2.69756	3.54627	-.07244	.10696	.99162
-.95075	2.71270	3.54823	-.07230	.10790	.99153
-.90134	2.73572	3.54929	-.07141	.10924	.99145
-.85177	2.76455	3.54962	-.06969	.11083	.99139
-.80203	2.79714	3.54938	-.06692	.11254	.99139
-.70206	2.86529	3.54784	-.05716	.11580	.99163
-.65181	2.89673	3.54686	-.04969	.11716	.99187
-.60139	2.92365	3.54596	-.04029	.11824	.99217
-.55079	2.94398	3.54531	-.02892	.11898	.99248
-.50000	2.95567	3.54505	-.01565	.11931	.99273
-.44940	2.95745	3.54530	-.00286	.11911	.99288

- .39926	2.95076	3.54596	.00846	.11836	.99293
- .34946	2.93762	3.54684	.01806	.11716	.99295
- .29989	2.92003	3.54780	.02592	.11562	.99296
- .20089	2.87950	3.54927	.03679	.11209	.99302
- .15121	2.86057	3.54946	.04025	.11038	.99307
- .10126	2.84520	3.54907	.04271	.10891	.99313
- .05090	2.83541	3.54792	.04430	.10785	.99318
- .00000	2.83319	3.54587	.04498	.10735	.99320
.05078	2.84013	3.54284	.04449	.10746	.99321
.10083	2.85505	3.53896	.04537	.10805	.99311
.15037	2.87578	3.53439	.04760	.10896	.99291
.19960	2.90016	3.52925	.05130	.11006	.99260
.29796	2.95118	3.51789	.06368	.11227	.99164
.34750	2.97349	3.51196	.07258	.11314	.99092
.39755	2.99077	3.50605	.08325	.11374	.99002
.44831	3.00086	3.50031	.09549	.11400	.98888
.50000	3.03158	3.49488	.10895	.11385	.98751
.55135	2.99051	3.49004	.12575	.11322	.98558
.60124	2.96852	3.48581	.14011	.11217	.98376
.65012	2.93842	3.48196	.15142	.11077	.98224
.69841	2.90301	3.47827	.15939	.10913	.98116
.79495	2.82754	3.47044	.16571	.10569	.98049
.84407	2.79308	3.46584	.16481	.10423	.98080
.89433	2.76457	3.46048	.16179	.10320	.98141
.94616	2.74460	3.45413	.15695	.10281	.98224
1.00000	2.73658	3.44656	.15031	.10323	.98324
1.05463	2.74257	3.43757	.15058	.10463	.98305
1.10849	2.76131	3.42732	.14967	.10716	.98291
1.16148	2.78942	3.41619	.14741	.11061	.98287
1.21351	2.82355	3.40455	.14417	.11472	.98288
1.26428	2.86637	3.38128	.13786	.12409	.98265
1.31428	2.92833	3.37038	.13699	.12889	.98215
1.36284	2.95284	3.36048	.13935	.13344	.98121
1.41004	2.95284	3.35196	.14619	.13748	.98121
1.45579	2.96652	3.34517	.15856	.14077	.97966
1.50000	2.96603	3.33975	.16963	.14403	.97726
1.54289	2.95237	3.33996	.18231	.14787	.97493
1.58417	2.92975	3.33590	.19764	.15213	.97206
1.62295	2.89953	3.33300	.21710	.15662	.96840
1.65835	2.86309	3.33125	.24330	.16102	.96350
1.68947	2.82180	3.33065	.28184	.16474	.95649
1.71544	2.77702	3.33122	.34789	.16636	.94521
1.73536	2.73013	3.33294	.50100	.15921	.92266
1.74835	2.68250	3.33582	.50100	.03167	.85068
1.75353	2.63550	3.33986	.24617	-.17295	.10803
1.75000	2.59049	3.34507			-.95387

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00686

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00275

MDI NUMBER= 81 NUMBER PTS= 84

-2.00000	2.19670	3.45000	-.25318	.09996	.96224
-1.97364	2.19547	3.45599	-.24825	.10008	.96351
-1.94680	2.19684	3.46369	-.24367	.10017	.96467
-1.91978	2.20070	3.47005	-.23927	.10023	.96577
-1.89286	2.20695	3.47601	-.23489	.10027	.96684
-1.86634	2.21547	3.48151	-.23041	.10029	.96791
-1.84051	2.22617	3.48648	-.22564	.10030	.96903
-1.81567	2.23892	3.49087	-.22039	.10031	.97024
-1.79211	2.25364	3.49463	-.21438	.10034	.97158

-1.77012	2.27020	3.49769	- .20722	.10042	.97313
-1.75000	2.28850	3.50000	- .19829	.10057	.97497
-1.73138	2.31352	3.50129	- .20728	.10117	.97304
-1.71325	2.34868	3.50153	- .21339	.10285	.97154
-1.69488	2.39149	3.50101	- .21481	.10489	.97101
-1.65460	2.49018	3.49882	- .20005	.10865	.97374
-1.63127	2.54113	3.49773	- .18590	.11014	.97638
-1.60485	2.58983	3.49701	- .16972	.11134	.97918
-1.57464	2.63383	3.49696	- .15313	.11224	.98181
-1.53993	2.67064	3.49786	- .13723	.11287	.98409
-1.50000	2.69780	3.50000	- .12265	.11321	.98597
-1.45578	2.71336	3.50349	- .11324	.11364	.98705
-1.40898	2.71858	3.50806	- .10550	.11459	.98779
-1.36009	2.71576	3.51344	- .09883	.11601	.98832
-1.30959	2.70722	3.51935	- .09291	.11784	.98868
-1.20572	2.68226	3.53160	- .08318	.12246	.98898
-1.15331	2.67047	3.53738	- .07968	.12496	.98896
-1.10123	2.66222	3.54257	- .07745	.12724	.98884
-1.04997	2.65982	3.54687	- .07672	.12891	.98868
-1.00000	2.66560	3.55000	- .07746	.12954	.98854
-95077	2.68057	3.55199	- .08069	.12898	.98836
-90137	2.70293	3.55315	- .08119	.12758	.98850
-85182	2.73072	3.55361	- .07906	.12574	.98891
-80210	2.76200	3.55354	- .07463	.12382	.98949
-70213	2.82726	3.55236	- .06034	.12048	.99088
-65188	2.85736	3.55155	- .05101	.11924	.99155
-60144	2.88318	3.55079	- .04042	.11832	.99215
-55082	2.90277	3.55022	- .02859	.11776	.99263
-50000	2.91420	3.55000	- .01546	.11758	.99294
-44937	2.91615	3.55023	- .00279	.11769	.99305
-39923	2.90989	3.55082	- .00868	.11797	.99398
-34944	2.89736	3.55161	- .01888	.11838	.99279
-29988	2.88051	3.55246	- .02769	.11891	.99252
-20091	2.84158	3.55369	- .04059	.12022	.99192
-15125	2.82338	3.55377	- .04440	.12090	.99167
-10130	2.80861	3.55328	- .04629	.12151	.99151
-05092	2.79920	3.55208	- .04625	.12196	.99146
0.00000	2.79710	3.55000	- .04434	.12214	.99152
.05080	2.80379	3.54700	- .04123	.12184	.99169
.10087	2.81806	3.54319	- .04056	.12102	.99182
.15040	2.83786	3.53873	- .04244	.11989	.99188
.19962	2.86112	3.53373	- .04675	.11862	.99184
.23793	2.90969	3.52267	- .06168	.11616	.99131
.34746	2.93086	3.51687	- .07170	.11514	.99076
.39750	2.94720	3.51107	- .08306	.11432	.98997
.44828	2.95664	3.50540	- .09555	.11373	.98991
.50000	2.95710	3.50000	- .10900	.11341	.98755
.55137	2.94639	3.49511	- .12591	.11345	.98553
.60126	2.92546	3.49076	- .14113	.11401	.98340
.65010	2.89696	3.48673	- .15430	.11506	.98130
.69834	2.86351	3.48281	- .16497	.11664	.97938
.79479	2.79234	3.47449	- .17686	.12151	.97671
.84389	2.75989	3.46966	- .17702	.12470	.97629
.89416	2.73306	3.46411	- .17264	.12802	.97663
.94005	2.71449	3.45763	- .16351	.13082	.97783
1.00000	2.70680	3.45000	- .15023	.13215	.97978
1.05474	2.71276	3.44102	- .14263	.13264	.98085
1.10867	2.73118	3.43087	- .13618	.13364	.98163
1.16168	2.75876	3.41989	- .13089	.13490	.98218
1.21370	2.79222	3.40845	- .12707	.13623	.98249
1.31440	2.86364	3.38560	- .12545	.13853	.98338

1.36291	2.89502	3.37490	1.2848	1.13935	.98187
1.41007	2.91913	3.36516	.13458	.13989	.98098
1.45580	2.93269	3.35674	.14405	.14011	.97960
1.50000	2.93240	3.35000	.15713	.13998	.97781
1.54292	2.91924	3.34479	.16607	.14062	.97604
1.58426	2.89727	3.34074	.17605	.14270	.97398
1.62311	2.86780	3.33784	.18843	.14592	.97119
1.65858	2.83218	3.33611	.20481	.14991	.96725
1.68976	2.79171	3.33553	.22772	.15424	.96143
1.71577	2.74774	3.33611	.26226	.15820	.95194
1.73569	2.70159	3.33784	.32207	.16029	.93305
1.74864	2.65458	3.34074	.46078	.15438	.87398
1.75371	2.60804	3.34479	.97394	.22322	.22322
1.75000	2.56330	3.35000	.23708	-.17336	-.95590

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00648

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00259
MDI NUMBER= 82 NUMBER PTS= 84

-2.00000	2.17257	3.45277	-.25414	.12076	.95960
-1.97370	2.17212	3.45974	-.25069	.12812	.95955
-1.94692	2.17454	3.46638	-.24885	.13467	.95913
-1.91905	2.17964	3.47263	-.24817	.14048	.95848
-1.89308	2.18722	3.47846	-.24831	.14552	.95769
-1.86859	2.19709	3.48381	-.24897	.14969	.95687
-1.84078	2.20907	3.48865	-.24984	.15283	.95615
-1.81593	2.22297	3.49292	-.25051	.15471	.95567
-1.79232	2.23858	3.49657	-.25048	.15510	.95562
-1.77025	2.25573	3.49957	-.24912	.15386	.95617
-1.75300	2.27423	3.50186	-.24576	.15110	.95748
-1.73123	2.29862	3.50324	-.27349	.14381	.95106
-1.71293	2.33210	3.50368	-.27882	.13521	.95078
-1.69441	2.37245	3.50345	-.26807	.12826	.95482
-1.65392	2.46487	3.50197	-.22622	.12083	.96655
-1.63055	2.51251	3.50124	-.20293	.11928	.97190
-1.60418	2.55813	3.50086	-.18047	.11845	.97642
-1.57409	2.59952	3.50107	-.15963	.11796	.98010
-1.53960	2.63446	3.50215	-.14084	.11758	.98303
-1.50000	2.66073	3.50433	-.12425	.11714	.98531
-1.45610	2.67637	3.50778	-.11437	.11705	.98652
-1.40949	2.68236	3.51227	-.10654	.11796	.98729
-1.36068	2.68085	3.51755	-.09980	.11984	.98776
-1.31018	2.67398	3.52334	-.09369	.12267	.98802
-1.20612	2.65276	3.53534	-.08323	.13072	.98792
-1.15358	2.64269	3.54102	-.07952	.13538	.98760
-1.10138	2.63586	3.54611	-.07757	.13964	.98716
-1.05001	2.63441	3.55035	-.07780	.13964	.98685
-1.00000	2.64048	3.55347	-.08000	.14255	.98673
-.95075	2.65493	3.55550	-.08416	.14302	.98648
-.90134	2.67603	3.55676	-.08471	.14102	.98642
-.85178	2.70202	3.55738	-.08198	.13770	.98685
-.80204	2.73114	3.55750	-.07661	.13379	.98761
-.70207	2.75971	3.55674	-.06044	.12988	.98857
-.65182	2.81964	3.55612	-.05050	.12321	.99054
-.60140	2.84367	3.55551	-.03962	.12071	.99140
-.55079	2.86201	3.55505	-.02787	.11879	.99213
-.50000	2.87292	3.55487	-.01516	.11745	.99269
-.44939	2.87509	3.55507	-.00301	.11672	.99305
-.39925	2.86957	3.55559	.00805	.11682	.99317
				.11712	.99308

- .34946	2.85818	3.55628	.01810	.11815	.99283
- .29388	2.84273	3.55700	.02704	.11963	.99245
- .20088	2.80689	3.55795	.04081	.12358	.99149
- .15121	2.79011	3.55790	.04501	.12575	.99104
- .10126	2.77652	3.55731	.04700	.12772	.99070
- .05090	2.76791	3.55604	.04661	.12916	.99053
- .00000	2.76610	3.55394	.04397	.12971	.99058
.05078	2.77243	3.55096	.04032	.12898	.99083
.10084	2.78574	3.54724	.03956	.12709	.99110
.15038	2.80412	3.54289	.04179	.12451	.99134
.19962	2.82565	3.53802	.04671	.12172	.99147
.29799	2.87052	3.52726	.06265	.11673	.99119
.34752	2.89002	3.52160	.07275	.11491	.99071
.39757	2.90501	3.51592	.08384	.11367	.98998
.44833	2.91353	3.51033	.09581	.11307	.98896
.50000	2.91382	3.50497	.10868	.11319	.98761
.55134	2.90383	3.50003	.12524	.11399	.98556
.60123	2.88461	3.49553	.14051	.11551	.98332
.65010	2.85855	3.49129	.15418	.11784	.98099
.69840	2.82803	3.48711	.16578	.12111	.97870
.79495	2.76322	3.47822	.18019	.13069	.97491
.84408	2.73371	3.47314	.18118	.13677	.97389
.89434	2.70930	3.46738	.17607	.14305	.97382
.94617	2.69240	3.46077	.16610	.14848	.97487
1.00000	2.68540	3.45310	.15003	.15171	.97697
1.05464	2.69110	3.44419	.13756	.15284	.97866
1.10855	2.70864	3.43417	.12795	.15217	.98004
1.16160	2.73488	3.42338	.12180	.15058	.98107
1.21370	2.76668	3.41215	.11907	.14836	.98174
1.31459	2.83444	3.38977	.12218	.14378	.98204
1.36315	2.86412	3.37930	.12728	.14190	.98166
1.41031	2.88682	3.36975	.13462	.14041	.98090
1.45597	2.89940	3.36147	.14443	.13927	.97987
1.50000	2.89873	3.35479	.15710	.13833	.97785
1.54270	2.88571	3.34961	.16424	.13809	.97671
1.58383	2.86417	3.34559	.17181	.13879	.97530
1.62250	2.83537	3.34272	.18081	.14026	.97347
1.65784	2.80056	3.34101	.19247	.14232	.97093
1.68894	2.76102	3.34045	.20870	.14473	.96721
1.71493	2.71799	3.34105	.23342	.14708	.96119
1.73492	2.67273	3.34279	.27680	.14844	.94939
1.74802	2.62651	3.34568	.37777	.14486	.91450
1.75334	2.58057	3.34972	.83479	.07640	.54524
1.75000	2.53619	3.35491	.24578	-.17252	-.95385

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00617

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 83 NUMBER PTS= 84

.00241	2.14848	3.45607	-.26274	.14086	.95453
-2.00000	2.14970	3.46303	-.26008	.15596	.95291
-1.97385	2.15369	3.46962	-.26044	.17001	.95041
-1.94724	2.16024	3.47579	-.26308	.18264	.94733
-1.92042	2.16914	3.48151	-.26733	.19343	.94399
-1.89368	2.18018	3.48675	-.27250	.20193	.94073
-1.86728	2.19314	3.49147	-.27786	.20765	.93791
-1.84150	2.20781	3.49564	-.28263	.21020	.93591
-1.81661	2.22399	3.49922	-.28600	.20937	.93508
-1.79289	2.24146	3.50219	-.28724	.20526	.93561

-1.75000	3.50449	- .28583	.19843	.93751
-1.73060	3.50595	- .32196	.18245	.92901
-1.71207	3.50657	- .32325	.16419	.93196
-1.69314	3.50656	- .30111	.14948	.94116
-1.65208	3.50567	- .24344	.13261	.96081
-1.62862	3.50521	- .21414	.12035	.96833
-1.60235	3.50507	- .18746	.12558	.97421
-1.57259	3.50547	- .16376	.12369	.97872
-1.53869	3.50664	- .14304	.12227	.98213
-1.50000	3.50881	- .12519	.12107	.98472
-1.45697	3.51218	- .11547	.12057	.98597
-1.41087	3.51659	- .10801	.12154	.98669
-1.36228	3.52178	- .10155	.12396	.98708
-1.31176	3.52748	- .09555	.12777	.98719
-1.20721	3.53932	- .08479	.13907	.98665
-1.15432	3.54493	- .08086	.14578	.98601
-1.10178	3.54997	- .07387	.15198	.98523
-1.05015	3.55418	- .07936	.15610	.98455
-1.00000	3.55728	- .08195	.15644	.98428
-95071	3.55934	- .08045	.15307	.98443
-90126	3.56069	- .08672	.14784	.98520
-85166	3.56145	- .08327	.14184	.98638
-80190	3.56172	- .07700	.13590	.98773
-70192	3.56129	- .05927	.12586	.99028
-65168	3.56083	- .04895	.12208	.99131
-60128	3.56035	- .03804	.11916	.99215
-55072	3.55998	- .02660	.11709	.99277
-50000	3.55983	- .01453	.11589	.99316
-44945	3.56001	- .00327	.11569	.99328
-39932	3.56047	- .00708	.11646	.99317
-34951	3.56107	- .01670	.11810	.99286
-29990	3.56168	- .02555	.12050	.99238
-25081	3.56240	- .03988	.12700	.99110
-20111	3.56224	- .04450	.13061	.99043
-15111	3.56156	- .04678	.13392	.98989
-10115	3.56023	- .04643	.13635	.98957
-05082	3.55811	- .04361	.13727	.98957
-00000	3.55516	- .04002	.13613	.98988
.05071	3.55150	- .03954	.13319	.99030
.10076	3.54723	- .04229	.12923	.99071
.15034	3.54248	- .04779	.12499	.99101
.19964	3.53195	- .06434	.11758	.99098
.24813	3.52640	- .07425	.11497	.99059
.29771	3.52081	- .08480	.11326	.98994
.34775	3.51529	- .09594	.11256	.98900
.39775	3.50995	- .10787	.11299	.98772
.44845	3.50498	- .12384	.11444	.98568
.49845	3.50037	- .13885	.11689	.98339
.54845	3.49595	- .15265	.12051	.98090
.59845	3.49155	- .16484	.12548	.97831
.64845	3.48220	- .18123	.13101	.97345
.69845	3.47691	- .18302	.13880	.97178
.74845	3.47099	- .17865	.14880	.97114
.79845	3.46429	- .16721	.15802	.97114
.84845	3.45664	- .14918	.16604	.97184
.89845	3.44781	- .13297	.17115	.97388
.94845	3.43790	- .12124	.17249	.97599
.99845	3.42725	- .11501	.17039	.97789
1.04845	3.41619	- .11379	.16570	.97945
1.09845	3.40401	- .12126	.15977	.98057
1.14845	3.39155	- .12792	.14843	.98146
1.19845	3.37881		.14407	.98126

1.41058	2.85340	3.37445	.13598	.14075	.98066
1.45643	2.85483	3.36630	.14565	.13839	.97961
1.50000	2.86368	3.35972	.15752	.13678	.97800
1.54209	2.85075	3.35462	.16331	.13595	.97716
1.58266	2.82963	3.35065	.16912	.13579	.97620
1.62086	2.80153	3.34782	.17574	.13625	.97496
1.65383	2.76762	3.34613	.18418	.13729	.97326
1.68672	2.72910	3.34558	.19600	.13879	.97073
1.71267	2.68716	3.34616	.21425	.14057	.96661
1.73282	2.64300	3.34787	.24662	.14203	.95865
1.74634	2.59781	3.35072	.32083	.14067	.93863
1.75235	2.55277	3.35470	.64890	.10560	.75351
1.75000	2.50908	3.35981	.28129	.17071	.94432

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00582

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 84 NUMBER PTS= 84

.00220	2.12446	3.45987	-.27945	.16007	.94672
-2.00000	2.12800	3.46684	-.27705	.18262	.94334
-1.97408	2.13395	3.47339	-.28788	.20433	.93837
-1.94770	2.14213	3.47950	-.28372	.22415	.93234
-1.92111	2.15234	3.48515	-.29083	.24095	.92594
-1.89456	2.16440	3.49030	-.29898	.25368	.91982
-1.86830	2.17812	3.49494	-.30697	.26151	.91508
-1.84257	2.19332	3.49903	-.31370	.26401	.91208
-1.81763	2.20981	3.50257	-.31820	.26125	.91132
-1.79372	2.22739	3.50552	-.31904	.25388	.91282
-1.77109	2.24589	3.50786	-.31841	.24301	.91627
-1.75000	2.26503	3.50941	-.35668	.21916	.90815
-1.73018	2.28942	3.51018	-.35358	.19260	.91536
-1.71080	2.33527	3.51037	-.32667	.17108	.92953
-1.69127	2.3527	3.50987	-.25438	.14522	.95609
-1.67436	2.41608	3.50961	-.22096	.13809	.96546
-1.65278	2.45742	3.50362	-.19126	.13315	.97247
-1.62578	2.49695	3.50112	-.16563	.12961	.97763
-1.59365	2.53287	3.51132	-.14305	.12698	.98142
-1.57038	2.56337	3.51344	-.12551	.12501	.98419
-1.53736	2.58663	3.51671	-.11660	.12421	.98538
-1.50000	2.60125	3.52104	-.10994	.12537	.98600
-1.45825	2.6125	3.52515	-.10410	.12842	.98624
-1.41292	2.62820	3.53178	-.09847	.13324	.98618
-1.36464	2.64915	3.54354	-.08779	.14763	.98514
-1.31410	2.6581	3.54911	-.08364	.15625	.98417
-1.26882	2.6694	3.55414	-.08131	.16425	.98306
-1.15541	2.68334	3.56143	-.08138	.16954	.98216
-1.10237	2.69331	3.56353	-.08333	.16982	.98194
-1.05034	2.69335	3.56353	-.08757	.16517	.98237
-1.00000	2.69338	3.56494	-.08722	.15806	.98357
-.95064	2.62164	3.56579	-.08293	.14997	.98521
-.90114	2.64373	3.56579	-.08293	.14997	.98863
-.85149	2.69377	3.56622	-.08682	.13470	.99008
-.75176	2.71891	3.56601	-.05693	.12846	.99128
-.70169	2.74225	3.56566	-.04636	.12337	.99220
-.65147	2.76239	3.56528	-.03566	.11944	.99286
-.60112	2.77791	3.56497	-.02481	.11668	.99326
-.55063	2.78741	3.56485	-.01367	.11510	.99337
-.50000	2.78976	3.56501	-.00364	.11487	.99324
-.44952	2.78976	3.56501	-.00573	.11597	.99288
-.39942	2.78577	3.56542	.00573	.11823	
-.34958	2.77693	3.56595	.01468		

-29992	2.76471	3.56648	.02320	.12152	.99232
-20071	2.73615	3.56701	.03780	.13049	.99073
-15097	2.72278	3.56677	.04285	.13550	.98985
-10100	2.71201	3.56603	.04560	.14012	.98908
-05071	2.70532	3.56465	.04569	.14353	.98859
-00000	2.70420	3.56253	.04327	.14482	.98851
.05061	2.70970	3.55960	.04030	.14328	.98886
.10065	2.72084	3.55598	.04050	.13934	.98942
.15028	2.73607	3.55177	.04391	.13407	.99000
.19966	2.75382	3.54709	.04995	.12846	.99046
.24835	2.79070	3.53671	.06676	.11872	.99068
.34748	2.80672	3.53124	.07624	.11530	.99040
.39802	2.81906	3.52572	.08601	.11308	.98986
.44864	2.82615	3.52026	.09605	.11218	.98903
.50000	2.82645	3.51496	.10666	.11279	.98788
.55109	2.81843	3.50997	.12176	.11480	.98590
.60102	2.80290	3.50527	.13616	.11815	.98362
.65013	2.78183	3.50070	.14975	.12306	.98104
.69878	2.75714	3.49614	.16215	.12975	.97820
.74602	2.70479	3.48642	.17998	.14886	.97234
.79632	2.68102	3.48097	.18256	.16075	.96996
.84532	2.66145	3.47495	.17858	.17293	.96861
.89551	2.64805	3.46821	.16682	.18355	.96875
.94696	2.64276	3.46060	.14764	.19050	.97052
1.00000	2.64823	3.45186	.12894	.19210	.97287
1.05395	2.66396	3.44205	.11620	.18814	.97524
1.10773	2.68720	3.43150	.11067	.18017	.97739
1.16107	2.71518	3.42054	.11125	.17048	.97906
1.21371	2.77425	3.39872	.12254	.15265	.98065
1.26582	2.79983	3.38852	.13026	.14597	.98068
1.31647	2.81906	3.37924	.13857	.14095	.98027
1.36477	2.82920	3.37121	.14765	.13747	.97944
1.41196	2.82748	3.36476	.15830	.13530	.97808
1.45712	2.81461	3.35976	.16302	.13410	.97747
1.50000	2.79392	3.35687	.16748	.13346	.97680
1.54119	2.76655	3.35309	.17237	.13342	.97596
1.58094	2.73360	3.35141	.17853	.13400	.97477
1.61843	2.69621	3.35085	.18727	.13522	.97296
1.65287	2.65550	3.35140	.20103	.13698	.96996
1.68344	2.61260	3.35306	.22566	.13898	.96424
1.70933	2.56863	3.35583	.26083	.13972	.94953
1.72974	2.52471	3.35972	.49877	.12426	.85778
1.74386	2.48198	3.36471	.36151	-.16614	-.91745
1.75088					
1.75000					

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00545

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00198

MDI NUMBER= 85 NUMBER PTS= 84

-2.00000	2.10051	3.46417	-.40376	.17822	.93593
-1.97436	2.10681	3.47116	-.30120	.20701	.93082
-1.94827	2.11499	3.47770	-.30330	.23545	.92335
-1.92106	2.12491	3.48377	-.30904	.26180	.91431
-1.89564	2.13644	3.48936	-.31714	.28415	.90481
-1.86953	2.14944	3.49445	-.32617	.30682	.89617
-1.84387	2.16379	3.49903	-.33470	.31065	.88965
-1.81866	2.17934	3.50203	-.34147	.31327	.88615
-1.79473	2.19597	3.50659	-.34558	.30911	.88602
-1.77171	2.21354	3.50955	-.34656	.29928	.88900
-1.75000	2.23193	3.51193	-.34445	.28535	.89439

-1.72942	2.23443	3.51359	-38113	.25532	.88857
-1.70376	2.23336	3.51447	-37404	.22198	.90046
-1.68839	2.31709	3.51479	-34222	.19436	.91930
-1.64605	2.39235	3.51455	-26015	.15933	.95214
-1.62232	2.43061	3.51439	-22308	.14892	.96317
-1.59637	2.46710	3.51448	-19194	.14137	.97117
-1.56769	2.50019	3.51501	-16516	.13581	.97687
-1.53574	2.52824	3.51619	-14314	.13174	.98089
-1.50000	2.54960	3.51822	-12519	.12896	.98372
-1.45981	2.50335	3.52138	-11783	.12799	.98475
-1.41539	2.57058	3.52562	-11241	.12950	.98519
-1.36751	2.57272	3.53068	-10747	.13326	.98524
-1.31693	2.57121	3.53628	-10243	.13913	.98496
-1.21078	2.56293	3.54800	-09214	.15645	.98338
-1.15074	2.55902	3.55358	-08775	.16681	.98208
-1.10308	2.55717	3.55862	-08482	.17644	.98065
-1.05053	2.56891	3.56282	-08316	.18283	.97956
-1.00090	2.56537	3.56593	-08420	.18316	.97947
-.95057	2.57754	3.56804	-08754	.17738	.98024
-.90099	2.59426	3.56950	-08622	.16845	.98193
-.85129	2.61428	3.57042	-08095	.15823	.98408
-.75149	2.65933	3.57101	-06336	.13892	.98827
-.70141	2.68188	3.57088	-05309	.13103	.98996
-.65121	2.70281	3.57061	-04270	.12460	.99129
-.60031	2.72089	3.57029	-03250	.11965	.99228
-.55051	2.73468	3.57002	-02254	.11621	.99297
-.50000	2.74355	3.56991	-01266	.11431	.99336
-.44982	2.74592	3.57006	-.00418	.11414	.99346
-.39954	2.74272	3.57044	.00395	.11561	.99329
-.34967	2.73525	3.57092	.01200	.11852	.99288
-.29995	2.72482	3.57139	.01999	.12271	.99224
-.20058	2.70030	3.57179	.03459	.13408	.99037
-.15079	2.68884	3.57150	.04008	.14045	.98928
-.10081	2.67964	3.57071	.04349	.14634	.98828
-.05058	2.67403	3.56931	.04439	.15070	.98758
-.00000	2.67329	3.56717	.04293	.15236	.98739
.05049	2.67835	3.56426	.04116	.15043	.98776
.10052	2.68833	3.56066	.04239	.14555	.98844
.15020	2.70187	3.55649	.04661	.13905	.98919
.24912	2.73421	3.54684	.06119	.12566	.99018
.29881	2.75030	3.54157	.06931	.12015	.99029
.34831	2.76453	3.53614	.07878	.11591	.99013
.39835	2.77554	3.53066	.08754	.11312	.98972
.44807	2.78197	3.52524	.09623	.11194	.98905
.50000	2.78247	3.51998	.10519	.11260	.98806
.55091	2.77560	3.51499	.10519	.11506	.98620
.60087	2.76202	3.51022	.13249	.11928	.98398
.65015	2.74347	3.50556	.14549	.12549	.98137
.69905	2.72171	3.50087	.15774	.13391	.97836
.79680	2.67552	3.49089	.17646	.15783	.97157
.84621	2.65460	3.48535	.17900	.17267	.96843
.89636	2.63746	3.47927	.17644	.18784	.96622
.94753	2.62586	3.47252	.16491	.20109	.96559
1.00000	2.62154	3.46498	.14541	.20976	.96688
1.05345	2.62698	3.45634	.12555	.21134	.96931
1.10714	2.64178	3.44660	.11299	.20528	.97216
1.16069	2.66339	3.43611	.10884	.19392	.97496
1.21371	2.68924	3.42519	.11137	.18052	.97725
1.21672	2.74346	3.40346	.12586	.15650	.97963
1.36594	2.76672	3.39332	.13420	.14764	.97989
1.41315	2.78400	3.38412	.14232	.14102	.97972

1.45796	2.75273	3.37618	.15040	.13649	.97916
1.50000	2.79038	3.36986	.15933	.13386	.97811
1.54010	2.77756	3.36499	.16314	.13248	.97767
1.57885	2.75731	3.36119	.16653	.13166	.97721
1.61549	2.73070	3.35846	.17010	.13150	.97661
1.64928	2.69878	3.35681	.17462	.13205	.97574
1.67945	2.66261	3.35624	.18117	.13338	.97437
1.70528	2.62323	3.35674	.19174	.13549	.97305
1.72999	2.58172	3.35833	.21078	.13825	.96771
1.74085	2.53911	3.36101	.25224	.14089	.95735
1.74910	2.49648	3.36477	.39590	.13654	.90809
1.75000	2.45487	3.36963	.54490	-.14998	-.82498

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00538

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 86 NUMBER PTS= 84

-.00175	2.07665	3.46897	-.33417	.19513	.92209
-2.00000	2.08593	3.47599	-.33039	.22807	.91566
-1.97466	2.09348	3.48252	-.33233	.26122	.90627
-1.94889	2.10821	3.48857	-.33718	.29238	.89489
-1.92287	2.12106	3.49413	-.34426	.31915	.88297
-1.89681	2.13498	3.49918	-.35215	.33940	.87224
-1.87088	2.14999	3.50373	-.35946	.35171	.86434
-1.84528	2.16572	3.50776	-.36503	.35565	.86039
-1.82020	2.18242	3.51127	-.36804	.35174	.86071
-1.79584	2.19992	3.51426	-.36814	.34124	.86489
-1.77237	2.21816	3.51670	-.36536	.32585	.87197
-1.75000	2.24003	3.51843	-.36907	.29176	.86972
-1.72859	2.26751	3.51940	-.38726	.25316	.88553
-1.70758	2.2912	3.51979	-.35156	.22000	.90995
-1.68652	2.36887	3.51967	-.26254	.17528	.94887
-1.64246	2.40406	3.51954	-.22279	.16104	.96147
-1.61856	2.43750	3.51962	-.18924	.15035	.97035
-1.59281	2.46772	3.52012	-.16207	.14232	.97646
-1.56477	2.49324	3.52123	-.14075	.13654	.98058
-1.53308	2.51260	3.52315	-.12427	.13292	.98331
-1.50000	2.52635	3.52619	-.11925	.13193	.98406
-1.46151	2.53282	3.53036	-.11549	.13392	.98424
-1.41809	2.53614	3.53538	-.11168	.13850	.98405
-1.37063	2.53648	3.54097	-.10741	.14544	.98352
-1.32002	2.53282	3.55273	-.09772	.16555	.98135
-1.2591	2.53113	3.55835	-.09307	.17747	.97972
-1.15818	2.53107	3.56341	-.08931	.18855	.97799
-1.10386	2.53379	3.56764	-.08677	.19595	.97677
-1.05084	2.54045	3.57077	-.08465	.19647	.97685
-1.00000	2.55173	3.57289	-.08642	.18976	.97802
-.95048	2.56685	3.57437	-.08371	.17906	.98027
-.90083	2.58475	3.57532	-.07729	.16671	.98297
-.85106	2.62466	3.57597	-.05836	.14321	.98797
-.75119	2.64457	3.57588	-.04800	.13359	.98987
-.70111	2.66303	3.57564	-.03797	.12576	.99133
-.65094	2.67849	3.57535	-.02857	.11979	.99239
-.60009	2.69139	3.57510	-.01983	.11569	.99309
-.55027	2.69919	3.57500	-.01157	.11353	.99347
-.50000	2.70157	3.57515	-.00494	.11349	.99353
-.44973	2.69918	3.57550	-.00170	.11539	.99332
-.39967	2.69314	3.57596	.00805	.11898	.99286
-.34977	2.68456	3.57639	.01592	.12407	.99215

-20025	4.03427	3.57674	.03026	.13273	.94000
-15059	2.05480	3.57541	.03621	.14549	.94870
-10061	2.04725	3.57560	.04045	.15261	.95746
-05023	2.64275	3.57419	.04253	.15788	.96554
-	2.64242	3.57205	.04259	.15989	.96522
-05036	2.64702	3.56315	.04257	.15760	.96558
-10037	2.64581	3.56556	.04516	.15184	.98737
-15012	2.66703	3.56140	.05033	.14419	.98827
-24928	2.65575	3.55176	.06547	.12839	.98956
-25989	2.70974	3.54650	.07381	.12186	.98980
-34867	2.72215	3.54109	.08188	.11678	.98978
-39871	2.73182	3.53563	.08945	.11337	.98952
-43912	2.73761	3.53023	.09657	.11182	.98903
-50020	2.73835	3.52500	.10348	.11241	.98825
-55072	2.73269	3.52002	.11580	.11523	.98657
-60071	2.72109	3.51123	.12786	.12029	.98447
-65018	2.70510	3.51051	.13988	.12778	.98189
-69935	2.68626	3.50574	.15151	.13795	.97877
-73724	2.64826	3.49563	.17067	.16675	.97112
-84719	2.62820	3.49004	.17472	.18459	.96716
-89729	2.61350	3.48395	.17223	.20284	.96395
-94815	2.60372	3.47724	.16147	.21873	.96233
-1.00000	2.60041	3.46973	.14253	.22895	.96295
-1.05291	2.60583	3.46124	.12294	.23013	.96536
-1.10550	2.61966	3.45154	.11167	.22169	.96870
-1.16027	2.63957	3.44106	.10949	.20690	.97222
-1.21372	2.66321	3.43013	.11402	.18991	.97516
-1.27169	2.71234	3.40827	.13106	.16003	.97837
-1.36722	2.73317	3.39823	.13933	.14910	.97891
-1.41444	2.74338	3.38905	.14719	.14095	.97901
-1.45827	2.75564	3.38119	.15386	.13543	.97877
-1.50000	2.75262	3.37500	.16054	.13242	.97811
-1.53852	2.73984	3.37027	.16348	.13104	.97781
-1.57658	2.72006	3.36657	.16593	.13032	.97749
-1.61229	2.69427	3.36390	.16848	.13035	.97705
-1.64537	2.66343	3.36227	.17181	.13121	.97635
-1.67512	2.62855	3.36168	.17684	.13297	.97522
-1.70087	2.59059	3.36214	.18516	.13569	.97330
-1.72191	2.55055	3.36365	.20018	.13934	.96980
-1.73758	2.50941	3.36623	.23174	.14360	.96212
-1.74717	2.46816	3.36987	.32792	.14560	.93342
-1.75000	2.42777	3.37457	.93029	.06600	.36084

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00472

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 87 NUMBER PTS= 80

.00153	2.05288	3.47425	.36532	.21072	.90550
-2.00000	2.07808	3.48785	.36328	.28001	.88861
-1.94350	2.10584	3.49945	.37031	.34320	.86318
-1.89797	2.13618	3.50903	.38084	.38245	.84184
-1.84669	2.16910	3.51860	.38658	.38839	.83648
-1.79634	2.18354	3.51962	.38558	.37966	.84076
-1.77304	2.20463	3.52213	.38472	.36481	.84879
-1.75300	2.22586	3.52393	.40958	.32896	.85090
-1.72776	2.25187	3.52394	.39478	.28656	.87294
-1.70590	2.28135	3.52535	.35541	.24832	.90112
-1.68404	2.34553	3.52519	.25927	.19310	.94631
-1.63686	2.37761	3.52501	.21714	.17440	.96044

-1.58925	2.40797	3.52503	-1.18259	15998	.97009
-1.56185	2.43529	3.52544	-1.15593	14906	.97646
-1.53222	2.45827	3.52644	-1.13644	14133	.98051
-1.50000	2.47562	3.52822	-1.12286	13688	.98294
-1.46321	2.48738	3.53115	-1.12101	13605	.98328
-1.42079	2.49508	3.53526	-1.11925	13866	.98313
-1.37375	2.49959	3.54027	-1.11675	14413	.98265
-1.32311	2.50179	3.54587	-1.11336	15217	.98183
-1.21503	2.50276	3.55773	-1.10441	17489	.97904
-1.15962	2.50330	3.56341	-1.09945	18819	.97708
-1.10464	2.50503	3.56853	-1.09467	20051	.97511
-1.05110	2.50883	3.57280	-1.09012	20885	.97379
-1.00000	2.51559	3.57594	-1.08482	20974	.97407
-95040	2.52597	3.57806	-1.08427	20234	.97568
-90057	2.53947	3.57954	-1.07972	18937	.97855
-85364	2.55520	3.58048	-1.07193	17545	.98186
-75089	2.58987	3.58111	-1.05176	14758	.98770
-70080	2.60707	3.58101	-1.04154	13615	.98982
-65056	2.62301	3.58075	-1.03215	12658	.99140
-60047	2.63681	3.58045	-1.02386	11984	.99251
-55024	2.64761	3.58019	-1.01671	11510	.99321
-50000	2.65451	3.58039	-1.01049	11275	.99357
-44963	2.65691	3.58023	-1.00599	11291	.99359
-39980	2.65536	3.58059	-1.00105	11529	.99333
-34987	2.65079	3.58105	-1.00460	11959	.99281
-30001	2.64412	3.58148	-1.01098	12561	.99202
-25031	2.62816	3.58183	-1.02484	14166	.98960
-15040	2.62072	3.58151	-1.03126	15053	.98810
-10041	2.61486	3.58070	-1.03650	15892	.98662
-05028	2.61151	3.57930	-1.04012	16507	.98547
-00000	2.61159	3.57719	-1.04226	16741	.98498
.05023	2.61573	3.57427	-1.04449	16480	.98532
.10022	2.62332	3.57068	-1.04877	15823	.98620
.15004	2.63340	3.56649	-1.05502	14950	.98723
.24944	2.65726	3.55680	-1.07063	13142	.98881
.29518	2.65914	3.55152	-1.07847	12387	.98919
.34303	2.67971	3.54609	-1.08560	11793	.98933
.39907	2.68804	3.54063	-1.09182	11383	.98925
.44937	2.69317	3.53523	-1.09716	11182	.98897
.50000	2.69415	3.53002	-1.10195	11222	.98844
.55052	2.68971	3.52506	-1.12004	11530	.98699
.60054	2.68010	3.52027	-1.12230	12116	.98507
.65020	2.66668	3.51554	-1.13295	12995	.98257
.69965	2.65079	3.51077	-1.14378	14109	.97938
.79848	2.61703	3.50064	-1.16260	17569	.97092
.84816	2.60186	3.49507	-1.16731	19653	.96610
.89821	2.58962	3.48901	-1.16590	21804	.96174
.94878	2.58168	3.48236	-1.16551	23659	.95892
1.00000	2.57938	3.47501	-1.13914	24808	.95869
1.05227	2.58477	3.46654	-1.12126	24838	.96104
1.10586	2.59759	3.45686	-1.12331	23730	.96492
1.15905	2.61574	3.44634	-1.12553	21910	.96919
1.21372	2.63709	3.43534	-1.11903	19839	.97281
1.31866	2.68059	3.41342	-1.13800	16325	.97689
1.36849	2.69531	3.40322	-1.14645	15033	.97773
1.41574	2.71240	3.39403	-1.15310	14071	.97814
1.45978	2.71815	3.38622	-1.15795	13426	.97828
1.50000	2.71445	3.38014	-1.16181	13096	.97809
1.53773	2.70173	3.37555	-1.16379	12976	.97792
1.57430	2.68245	3.37195	-1.16537	12940	.97771
1.60909	2.65751	3.36934	-1.16711	12994	.97734

.97671
.97566
.97392
.97091
.96486
.94668
.58641

.13142
.13389
.13741
.14201
.14759
.15312
.10814

.16961
.17366
.18053
.19279
.21738
.28345
.80276

3.36774
3.36714
3.36756
3.36301
3.37148
3.37499
3.37955

2.62782
2.59428
2.55781
2.51931
2.47968
2.43983
2.40067

1.64146
1.67079
1.69646
1.71764
1.73430
1.7523
1.75000

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00439

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00131

MDI NUMBER= 88 NUMBER PTS= 76

-2.00000	2.02923	3.48000	- .40313	.22508	.88703
-1.95007	2.05946	3.49366	- .39309	.29113	.87219
-1.89905	2.09039	3.50529	- .38386	.35525	.84775
-1.84799	2.12242	3.51492	- .39940	.40190	.82399
-1.79795	2.15595	3.52236	- .40289	.41861	.81390
-1.75000	2.19139	3.52820	- .39808	.40236	.82441
-1.72700	2.21198	3.53005	- .41717	.36716	.83136
-1.70436	2.23647	3.53105	- .39740	.32235	.85917
-1.63556	2.32218	3.53109	- .25008	.21250	.94462
-1.61134	2.35110	3.53079	- .20596	.18864	.96021
-1.58597	2.37832	3.53067	- .17123	.16995	.97046
-1.55916	2.40274	3.53094	- .14628	.15580	.97690
-1.53060	2.42322	3.53179	- .13022	.14601	.98068
-1.50000	2.43865	3.53344	- .12115	.14084	.98259
-1.46477	2.44954	3.53628	- .12327	.14037	.98240
-1.42327	2.45753	3.54035	- .12377	.14370	.98185
-1.37662	2.46325	3.54536	- .12271	.15011	.98102
-1.32584	2.46730	3.55101	- .12027	.15925	.97988
-1.21699	2.47284	3.56301	- .11209	.18442	.97644
-1.10536	2.47905	3.57396	- .10080	.21128	.97200
-1.05133	2.48393	3.57829	- .09392	.21150	.97063
-1.00000	2.49082	3.58145	- .08491	.22298	.97112
- .95032	2.50031	3.58357	- .08119	.22518	.97319
- .90052	2.51218	3.58501	- .07424	.20124	.97673
- .85363	2.52571	3.58590	- .06483	.18451	.98069
- .75061	2.55506	3.58640	- .04351	.15205	.98742
- .70052	2.56951	3.58623	- .03366	.13872	.98976
- .65040	2.58288	3.58592	- .02520	.12793	.99146
- .60026	2.59450	3.58556	- .01839	.11981	.99263
- .55012	2.60367	3.58527	- .01323	.11443	.99334
- .50000	2.60972	3.58515	- .00950	.11195	.99367
- .44993	2.61216	3.58531	- .00738	.11240	.99364
- .39992	2.61148	3.58568	- .00436	.11531	.99332
- .34996	2.60841	3.58617	- .00018	.12038	.99273
- .25011	2.59797	3.58698	.01147	.13595	.99065
- .15022	2.58666	3.58679	.02528	.15592	.98745
- .10022	2.58250	3.58602	.03168	.16532	.98573
- .05015	2.58031	3.58464	.03718	.17228	.98435
- .00000	2.58080	3.58253	.04193	.17493	.98369
.05011	2.58449	3.57962	.04688	.17202	.98398
.10009	2.59088	3.57600	.05314	.16473	.98491
.14996	2.59924	3.57177	.06061	.15502	.98605
.24900	2.61885	3.56196	.07666	.13475	.98791
.29944	2.62861	3.55662	.08390	.12618	.98845
.34936	2.63735	3.55114	.08998	.11934	.98877
.39910	2.64431	3.54564	.09470	.11451	.98890
.44900	2.64874	3.54024	.09809	.11195	.98886

.50000	2.64991	3.53504	.10044	.11202	.98862
.55035	2.64664	3.53011	.10766	.11526	.98746
.60039	2.63902	3.52536	.11584	.12189	.98576
.65022	2.62819	3.52067	.12468	.13197	.98338
.70000	2.60147	3.51106	.14382	.16336	.97603
.75026	2.58787	3.50593	.15222	.18472	.97093
.80006	2.57562	3.50042	.15752	.20890	.96517
.85006	2.56580	3.49445	.15742	.23360	.95951
.90000	2.55978	3.48789	.15005	.25478	.95529
.95035	2.55846	3.48064	.13545	.26716	.95409
1.00000	2.56378	3.47223	.12067	.26602	.95638
1.05187	2.57554	3.46253	.11493	.25207	.96086
1.10527	2.59188	3.45193	.11784	.23052	.96591
1.15946	2.63074	3.42957	.13662	.18481	.97323
1.26734	2.64950	3.41860	.14655	.16612	.97516
1.31956	2.66530	3.40829	.15456	.15127	.97633
1.36967	2.67625	3.39904	.15998	.14024	.97711
1.41693	2.68048	3.39122	.16262	.13293	.97769
1.46061	2.67611	3.38524	.16299	.12946	.97810
1.50000	2.66347	3.38079	.16383	.12862	.97807
1.53664	2.64473	3.37728	.16451	.12890	.97792
1.57221	2.62070	3.37474	.16558	.13025	.97756
1.60614	2.59220	3.37317	.16758	.13266	.97689
1.63786	2.56007	3.37258	.17117	.13613	.97579
1.66680	2.52512	3.37297	.17735	.14065	.97404
1.69240	2.48817	3.37436	.18806	.14622	.97121
1.71409	2.45005	3.37675	.20813	.15279	.96609
1.73130	2.41158	3.38015	.25537	.16002	.95351
1.74346	2.37359	3.38457	.49430	.15923	.85458

143 WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS .00405

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 89 NUMBER PTS= 74

.00110	2.00571	3.48622	-.43509	.23852	.86822
-.2.00000	2.04030	3.49994	-.41888	.25491	.85882
-1.95054	2.07434	3.51166	-.41397	.35592	.83783
-1.89993	2.10837	3.52139	-.41624	.41015	.81149
-1.84906	2.14291	3.52913	-.41896	.44203	.79315
-1.79879	2.17849	3.53489	-.41290	.43848	.79828
-1.75000	2.19842	3.53075	-.42192	.40646	.81042
-1.72537	2.22132	3.53771	-.39530	.36051	.84485
-1.70308	2.24238	3.53778	-.28822	.26943	.91888
-1.68499	2.32435	3.53683	-.18796	.20300	.96097
-1.58328	2.34838	3.53652	-.15431	.17963	.97156
-1.55695	2.36990	3.53660	-.13274	.16216	.97780
-1.52927	2.38798	3.53729	-.12196	.15042	.98107
-1.50000	2.40171	3.53882	-.11953	.14481	.98221
-1.46605	2.41194	3.54158	-.12620	.14489	.98137
-1.42531	2.42034	3.54564	-.12913	.14902	.98037
-1.37898	2.42730	3.55068	-.12954	.15639	.97916
-1.32828	2.43317	3.55639	-.12807	.16660	.97767
-1.21860	2.44313	3.56859	-.12062	.19402	.97355
-1.10595	2.45313	3.57972	-.10757	.22381	.96868
-1.05153	2.45907	3.58411	-.09017	.23386	.96730
-1.00000	2.46612	3.58730	-.08512	.23619	.96797
-.95026	2.47479	3.59339	-.07727	.23833	.97051
-.90040	2.48504	3.59078	-.06730	.21292	.97475
-.80045	2.50830	3.59189	-.04433	.17452	.98365

-70030	2.53198	3.59155	-.02432	.14128	.98967
-65019	2.54275	3.59112	-.01713	.12892	.99151
-60009	2.55217	3.59057	-.01217	.11968	.99274
-55002	2.55974	3.59032	-.00942	.11368	.99347
-50000	2.56497	3.59017	-.00867	.11112	.99377
-45001	2.56753	3.59034	-.00916	.11193	.99367
-40002	2.56775	3.59076	-.00824	.11545	.99328
-35004	2.56618	3.59131	-.00570	.12133	.99260
-25007	2.55981	3.59228	.00408	.13903	.99028
-15008	2.55270	3.59224	.01832	.16139	.98672
-10006	2.55021	3.59154	.02605	.17182	.98478
-05004	2.54915	3.59021	.03376	.17952	.98318
-00000	2.55005	3.58812	.04158	.18243	.98234
05002	2.55330	3.58520	.04969	.17928	.98254
09908	2.55853	3.58153	.05821	.17136	.98349
14990	2.56520	3.57723	.06703	.16077	.98471
24972	2.58063	3.56724	.08354	.13841	.98685
34963	2.59518	3.55624	.09504	.12102	.98809
39967	2.60075	3.55068	.09816	.11539	.98846
44978	2.60444	3.54524	.09947	.11219	.98870
50000	2.60569	3.54005	.09919	.11182	.98877
55020	2.60351	3.53516	.10332	.11511	.98796
60027	2.59784	3.53047	.10851	.12246	.98652
65024	2.58962	3.52588	.11504	.13866	.98430
70003	2.58918	3.51650	.13140	.16959	.97671
79990	2.58880	3.51150	.13944	.19397	.97105
84980	2.54954	3.50613	.14525	.22158	.96426
89976	2.54231	3.50028	.14672	.24971	.95714
94982	2.53805	3.49383	.14214	.27343	.95133
1.00000	2.52767	3.48669	.13176	.28619	.94907
1.05146	2.54283	3.47831	.12138	.28300	.95141
1.10478	2.55349	3.46855	.11952	.26599	.95654
1.15915	2.56800	3.45781	.12529	.24119	.96236
1.26772	2.60190	3.43507	.14664	.18964	.97084
1.32030	2.61798	3.42390	.15659	.16858	.97317
1.37063	2.63127	3.41342	.16369	.15185	.97472
1.41791	2.64012	3.40405	.16774	.13946	.97592
1.46130	2.64286	3.39620	.16774	.13139	.97704
1.50000	2.63784	3.39028	.16393	.12790	.97815
1.53575	2.62532	3.38593	.16332	.12762	.97828
1.57049	2.60717	3.38252	.16298	.12880	.97819
1.60372	2.58410	3.38004	.16346	.13129	.97777
1.63490	2.55686	3.37851	.16527	.13498	.97697
1.66353	2.52616	3.37794	.16895	.13976	.97567
1.68907	2.49275	3.37832	.17531	.14551	.97370
1.71100	2.45735	3.37968	.18578	.15209	.97075
1.72882	2.42069	3.38201	.20369	.15932	.96598
1.74199	2.36350	3.38533	.24002	.16689	.95632
1.75000	2.34651	3.38964	.36587	.17251	.91454

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00371

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS
.00091

MDI NUMBER= 90 NUMBER PTS= 69

-2.00000	1.98233	3.49289	-.46059	.25170	.85118
-1.95085	2.02025	3.50669	-.43837	.29250	.84987
-1.90053	2.05732	3.51854	-.43023	.34697	.83337
-1.84978	2.09379	3.52841	-.43249	.40798	.80405
-1.79935	2.12992	3.53629	-.43675	.45821	.77414

-1.75000	2.16598	3.54216	- .42860	.47298	.76980
-1.73595	2.18524	3.54402	- .42460	.44687	.78741
-1.70222	2.20544	3.54488	- .38808	.40091	.82386
-1.65495	2.25199	3.54456	- .26592	.29701	.91710
-1.60656	2.29719	3.54311	- .16168	.21619	.96287
-1.58145	2.31796	3.54254	- .13108	.18804	.97337
-1.55545	2.33660	3.54240	- .11520	.16755	.97911
-1.52837	2.35244	3.54292	- .11203	.15438	.98164
-1.50000	2.36479	3.54433	- .11857	.14876	.98174
-1.48692	2.37468	3.54706	- .13000	.14961	.98016
-1.42669	2.38367	3.55113	- .13535	.15456	.97867
-1.38058	2.39192	3.55623	- .13722	.16286	.97706
-1.27581	2.40678	3.56822	- .13419	.18790	.97298
-1.16278	2.42049	3.58043	- .12358	.21995	.96765
-1.05166	2.43424	3.59027	- .10290	.24500	.96382
-1.00000	2.44151	3.59348	- .08573	.24937	.96461
- .95021	2.44945	3.59554	- .07266	.24182	.96760
- .85035	2.46725	3.59749	- .04521	.20378	.97797
- .75023	2.48376	3.59742	- .02180	.16133	.98666
- .65005	2.50274	3.59634	- .00792	.12982	.99151
- .59998	2.50997	3.59576	- .00522	.11945	.99283
- .54996	2.51597	3.59531	- .00533	.11284	.99360
- .50000	2.52047	3.59513	- .00809	.11025	.99387
- .45006	2.52323	3.59532	- .01141	.11150	.99370
- .40009	2.52439	3.59581	- .01276	.11570	.99320
- .30007	2.52338	3.59711	- .00914	.13150	.99127
- .20001	2.52030	3.59796	- .00234	.15458	.98798
- .09996	2.51801	3.59726	- .01966	.17845	.98375
- .04997	2.51805	3.59600	- .02989	.18679	.98195
- .00000	2.51935	3.59394	- .04123	.18993	.98093
.04995	2.52218	3.59100	- .05285	.18658	.98102
.09990	2.52629	3.58726	- .06388	.17815	.98193
.19982	2.53692	3.57794	- .08349	.15440	.98447
.29980	2.54831	3.56707	- .09712	.13175	.98651
.39965	2.55749	3.55574	- .10226	.11648	.98792
.49961	2.56034	3.55024	- .10138	.11255	.98846
.50000	2.56154	3.54503	- .09834	.11161	.98887
.55010	2.56030	3.54020	- .09850	.11485	.98849
.60018	2.55654	3.53562	- .10032	.12287	.98734
.65025	2.55084	3.53117	- .10410	.13559	.98528
.75033	2.53691	3.52217	- .11671	.17594	.97746
.85030	2.52364	3.51218	- .13035	.23488	.96324
.90024	2.51899	3.50650	- .13372	.26659	.95449
.95014	2.51655	3.50220	- .13290	.29270	.94692
1.00000	2.51701	3.49314	- .12847	.30516	.94360
1.05118	2.52192	3.48477	- .12356	.29929	.94613
1.10445	2.53142	3.47490	- .12606	.27908	.95196
1.15893	2.54407	3.46398	- .13474	.25114	.95853
1.26799	2.57306	3.44074	- .15831	.19396	.96815
1.32080	2.58652	3.42931	- .16804	.17056	.97091
1.37129	2.59737	3.41860	- .17433	.15196	.97289
1.41857	2.60418	3.40905	- .17629	.13827	.97458
1.46177	2.60550	3.40111	- .17318	.12957	.97633
1.50000	2.59989	3.39521	- .16444	.12623	.97828
1.53514	2.58755	3.39094	- .16197	.12672	.97859
1.56533	2.57004	3.38760	- .16040	.12908	.97805
1.60207	2.54800	3.38519	- .16032	.13305	.97700
1.63290	2.52205	3.38371	- .16222	.13840	.97532
1.66130	2.49282	3.38318	- .16663	.14488	.97287
1.68680	2.46093	3.38359	- .17425	.15218	.96943
1.70891	2.42703	3.38495	- .18013	.15990	

.96441
.95590
.93183

.16750
.17423
.17831

.20459
.23642
.31607

3.38726
3.39054
3.39478

2.39173
2.35566
2.31945

WEEDR---MAXIMUM CHORD HEIGHT BEFORE WEEDING WAS
.00336

WEEDR---AVERAGE CHORD HEIGHT BEFORE WEEDING WAS

MDI NUMBER= 91 NUMBER PTS= 64

.00076
-2.00000 1.95910 3.50000
-1.95097 1.99900 3.51388
-1.90075 2.03895 3.52590
-1.05005 2.07813 3.53598
-1.79256 2.11682 3.54404
-1.75000 2.15390 3.55000
-1.72579 2.17246 3.55181
-1.67815 2.21164 3.55239
-1.63031 2.25085 3.55066
-1.60585 2.26946 3.54959
-1.58077 2.28688 3.54873
-1.55490 2.30269 3.54833
-1.52804 2.31650 3.54867
-1.50000 2.32790 3.55000
-1.46724 2.33788 3.55273
-1.42720 2.34768 3.55685
-1.38117 2.35728 3.56204
-1.27632 2.37579 3.57428
-1.16305 2.39323 3.58675
-1.05171 2.40943 3.59676
-1.00000 2.41700 3.60000
-90029 2.43149 3.60318
-80026 2.44511 3.60358
-70008 2.45743 3.60239
-59994 2.46801 3.60080
-50000 2.47640 3.60000
-40012 2.48160 3.60080
-30008 2.48391 3.60240
-19998 2.48485 3.60359
-09992 2.48594 3.60319
-04994 2.48702 3.60202
0.00000 2.48870 3.60000
04992 2.49113 3.59703
14984 2.49769 3.58868
24984 2.50518 3.57814
34988 2.51200 3.56658
44996 2.51656 3.55523
50000 2.51750 3.55000
55006 2.51703 3.54522
60015 2.51510 3.54078
75044 2.50469 3.52806
85049 2.49800 3.51860
90041 2.49595 3.51314
95026 2.49531 3.50699
1.00200 2.49650 3.50000
1.05108 2.50102 3.49159
1.10433 2.50929 3.48156
1.15565 2.52008 3.47040
1.26808 2.54428 3.44655
1.32098 2.55522 3.43481
1.37153 2.56374 3.42381

.26556
.28545
.3073
.3656
.4662
.50546
.73825
.76175
.87176
.94795
.96590
.97579
.98072
.98230
.98109
.97875
.97575
.97472
.96989
.96407
.96018
.96100
.97008
.98176
.98923
.99288
.99397
.99308
.99083
.98718
.98261
.98065
.97947
.97940
.98148
.98412
.98630
.98814
.98893
.98902
.98819
.97816
.96192
.95134
.94191
.93760
.94054
.94710
.95438
.95438
.96513
.96837
.97084

.26556
.28545
.3073
.3656
.4662
.50546
.73825
.76175
.87176
.94795
.96590
.97579
.98072
.98230
.98109
.97875
.97575
.97472
.96989
.96407
.96018
.96100
.97008
.98176
.98923
.99288
.99397
.99308
.99083
.98718
.98261
.98065
.97947
.97940
.98148
.98412
.98630
.98814
.98893
.98902
.98819
.97816
.96192
.95134
.94191
.93760
.94054
.94710
.95438
.95438
.96513
.96837
.97084

-.47595
-.45014
-.44257
-.44895
-.45794
-.44665
-.42569
-.30432
-.16964
-.12587
-.10129
-.09407
-.10114
-.11897
-.13482
-.14244
-.14569
-.14398
-.13279
-.10816
-.08703
-.04908
-.01880
-.00112
-.00245
-.00784
-.01795
-.01765
-.06712
-.01260
-.02562
-.04086
-.05630
-.08210
-.09980
-.10741
-.10391
-.09802
-.09346
-.09128
-.09956
-.11259
-.11833
-.12249
-.12606
-.12741
-.13452
-.14609
-.17156
-.18083
-.18582

3.50000
3.51388
3.52590
3.53598
3.54404
3.55000
3.55181
3.55239
3.55066
3.54959
3.54873
3.54833
3.54867
3.55000
3.55273
3.55685
3.56204
3.57428
3.58675
3.59676
3.60000
3.60318
3.60358
3.60239
3.60080
3.60000
3.60080
3.60240
3.60359
3.60319
3.60202
3.60000
3.59703
3.58868
3.57814
3.56658
3.55523
3.55000
3.54522
3.54078
3.52806
3.51860
3.51314
3.50699
3.50000
3.49159
3.48156
3.47040
3.44655
3.43481
3.42381

1.41882	2.56062	3.41403	.18547	.13655	.97312
1.46194	2.55862	3.40593	.17874	.12741	.97561
1.50000	2.56250	3.40000	.16434	.12444	.97852
1.53491	2.55040	3.39577	.15951	.12588	.97914
1.56890	2.53361	3.39249	.15641	.12967	.97914
1.60147	2.51266	3.39014	.15568	.13547	.97847
1.63216	2.48804	3.38873	.15794	.14293	.97705
1.66048	2.46029	3.38826	.16384	.15165	.97476
1.68597	2.42991	3.38873	.17417	.16104	.97146
1.70814	2.39741	3.39014	.18989	.17022	.96894
1.72652	2.36332	3.39249	.21267	.17798	.96078
1.74063	2.32814	3.39577	.24676	.18265	.95171
1.75000	2.29240	3.40000	.31067	.18145	.93304

651 SCOPE 3.4.4 PA 4.15 CDC 6500 8/20/79
 10.23.52.APT0020 FROM
 10.23.53.IP 0000064 WORDS - FILE INPUT , DC 00, ID= **
 10.23.53.APT, CM20000, T200.
 10.23.53. 000100
 10.23.56.(JD4-100, 024265), OCONNOR
 10.23.56. 000110
 10.24.01.ATTACH,BB,MOIOUT,ID=00NOCCON.
 10.24.01. 000170
 10.24.02.PF CYCLE NO. = 001
 10.24.02.REWIND,BB.
 10.24.02. 000190
 10.24.03.COPYBF,BB,OUTPUT.
 10.24.03. 000200
 10.24.18.ROUTE,OUTPUT,DEF,ST=66E,FC=XR.
 10.24.18. 000210
 10.24.19.OP 00090304 WORDS - FILE OUTPUT , DC 40, ID= ** APT0020
 10.24.20.MS 93184 WORDS (93184 MAX USED)
 10.24.20.CPA .082 SEC.
 10.24.20.CPB .066 SEC.
 10.24.20.IO 11.523 SEC.
 10.24.20.CM 92.311 KWS.
 10.24.20.SS 2.880 ADJ.
 10.24.20.EST. COST AT \$180/HR. - \$ 4.437
 10.24.20.PP 19.051 SEC.
 10.24.20.EJ END OF JOB, **

7281 LINES PRINTED
7281 LINES PRINTED

APT0020
APT0020

APPENDIX D

BOUNDARY CALCULATIONS

PARTNO HELMUT EAR TOP UP
 PI=POINT/0.10.9
 \$KTA STARTUP
 MACHIN.BXKT24,-10.LINCIR,YZROT
 TOLER .0005
 SEQNO,001,INCR,001
 SYN/L,LINE,C,CIRCLE,P,POINT,PP,PARLEL,T,TANTO,XL,XLARGE,\$
 XS,XSMALL,YL,YLARGE,YS,YSMALL,R,RADIUS,A,ATANGL,CT,CUTTER,\$
 SP,SPINDL,G,GOTO,CR,GOROT,GL,GOLFT,GF,GOFWD,F,FEDRAT,RAP,\$
 RAPID,PL,PLANE,CY,CYCLE,CR,CENTER,PAT,PATERN,RD,RANDOM
 KANDT4=MACRO/X,Y,Z,NT,LGT,ANG=180,SPD,DR=CLW,CTD,CC,STP
 LX=L/YAXIS
 LY=L/YAXIS
 PXY=P/0.0.2
 PLI=PL/C,0.1.0
 ORIGIN/X,Y,Z
 TMRK/1,AUTO
 SELECTL/HT
 LOADTL/NT,LENGTH,LGT
 RA°
 ROTABL/A,ANG,ROTREF
 SP/SPD,DR
 CT/CTD
 FROM/0.4.4
 CUTCOM/CC
 RAP
 G/STP
 COOLNT/FLOOD
 TERMAC
 CALL/KANDT4,X=0,Y=-5.8,Z=0,NT=0912,LGT=5.5,CTD=1.5,CC=LEFT,STP=P1,\$
 SPD=3000
 P2=P/0.10.1
 MULTAX
 CLPRNT
 P3=P/-8.2.1
 P3A=P/-9.10.1
 CT/1.5,.75
 RAP
 G/P2
 STOP
 SP/2500,CLW
 CUTCOM/LEFT
 COOLNT/FLOOD
 RAP
 G/P3A
 RAP
 G/P3
 CALL/APTLFT,.....1.1
 GO/(LDT/1,29.2,40,40,2.0..10)
 CALL/APTLFT,.....1.3
 GO/(LDT/59,12.2,40,40,3.0..10)
 CALL/APTLFT,.....20.10
 CC/(LDT/E2,3.1,40,40,3.0..10)
 RAP
 GOOLTA/0.10.0
 RAP
 INTEND=MACRO/
 COOLNT/OFF
 SP/GFF
 RETRACT

RAPID					CARD NO. 000350	TAPE NO.	32
DS IS/P1					CARD NO. 000360	TAPE NO.	34
					CARD NO. 000370	TAPE NO.	36
COOLNT / FLOOD					CARD NO. 000402	TAPE NO.	38
MULTAX/					CARD NO. 000430	TAPE NO.	40
CUTTER/	1.500000	0.750000			CARD NO. 000440	TAPE NO.	42
					CARD NO. 000450	TAPE NO.	44
RAPID					CARD NO. 000460	TAPE NO.	46
DS IS/P2					CARD NO. 000470	TAPE NO.	48
					CARD NO. 000480	TAPE NO.	50
STOP					CARD NO. 000490	TAPE NO.	52
SPINDL / 2500.0000	CLW				CARD NO. 000500	TAPE NO.	54
CUTCOM / LEFT					CARD NO. 000510	TAPE NO.	56
COOLNT / FLOOD					CARD NO. 000520	TAPE NO.	58
RAPID					CARD NO. 000530	TAPE NO.	60
DS IS/P3A					CARD NO. 000532	TAPE NO.	61
					CARD NO. 000534	TAPE NO.	63

CONT./MDI (3)			CARD NO. 000534		TAPE NO. 77	
	X	Y	Z	J	K	
0.9287473	4.7724290	3.0108015	0.6000000	0.0000000	1.0000000	
0.8165394	4.7953220	3.0210423	0.0000000	0.0000000	1.0000000	
0.7065633	4.8162081	3.0299360	0.0000000	0.0000000	1.0000000	
0.6524226	4.8253734	3.0342126	0.0000000	0.0000000	1.0000000	
0.5988160	4.8334117	3.0385810	0.0000000	0.0000000	1.0000000	
0.5457562	4.8414338	3.0425774	0.0000000	0.0000000	1.0000000	
0.4918772	4.8505909	3.0458312	0.0000000	0.0000000	1.0000000	
0.4371006	4.8606211	3.0483492	0.0000000	0.0000000	1.0000000	
0.3252612	4.8820833	3.0512166	0.0000000	0.0000000	1.0000000	
0.2121271	4.9029665	3.0517331	0.0000000	0.0000000	1.0000000	
0.0999710	4.9188313	3.0516515	0.0000000	0.0000000	1.0000000	
0.0446725	4.9255899	3.0522689	0.0000000	0.0000000	1.0000000	
-0.0049509	4.9307991	3.0525914	0.0000000	0.0000000	1.0000000	
-0.0562125	4.9371956	3.0522454	0.0000000	0.0000000	1.0000000	
-0.1640655	4.9513546	3.0503124	0.0000000	0.0000000	1.0000000	
-0.2795894	4.9635385	3.0479095	0.0000000	0.0000000	1.0000000	
-0.3403436	4.9674164	3.0469281	0.0000000	0.0000000	1.0000000	
-0.4030719	4.9690118	3.0462727	0.0000000	0.0000000	1.0000000	
-0.4676861	4.9677159	3.0460561	0.0000000	0.0000000	1.0000000	
-0.5340269	4.9620276	3.0463760	0.0000000	0.0000000	1.0000000	
-0.6017078	4.9526912	3.0481532	0.0000000	0.0000000	1.0000000	
-0.6659763	4.9366122	3.0520028	0.0000000	0.0000000	1.0000000	
-0.7268671	4.9162495	3.0572632	0.0000000	0.0000000	1.0000000	
-0.7847272	4.8930752	3.0632628	0.0000000	0.0000000	1.0000000	
-0.8935142	4.8436436	3.0750058	0.0000000	0.0000000	1.0000000	
-0.9967512	4.7980567	3.0830111	0.0000000	0.0000000	1.0000000	
-1.0473145	4.7794300	3.0846060	0.0000000	0.0000000	1.0000000	
-1.0973720	4.7649766	3.0841521	0.0000000	0.0000000	1.0000000	
FEDRAT / 40.0000			CARD NO. 000534		TAPE NO. 78	
DS IS/POINT	X	Y	Z	J	K	
-2.2507524	4.4287517	3.0506429	0.0000000	0.0000000	1.0000000	
DS IS/POINT						

CONT./MDI (7)				CARD NO. 000534		TAPE NO. 93	
				J		K	
0.6553334	4.7824577	3.0528875	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
0.6022659	4.7921870	3.0566429	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
0.5503317	4.7999516	3.0609113	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
0.4963852	4.8055919	3.0660123	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
0.4423478	4.8093507	3.0717637	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
0.3729685	4.8142361	3.0838797	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
0.2205107	4.8177064	3.0950264	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
0.1056205	4.8237661	3.1028809	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
0.0478233	4.8289799	3.1048114	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.0043797	4.8358658	3.1050540	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.0575903	4.8440777	3.1044482	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.1675492	4.8610513	3.1016059	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.2831312	4.8795879	3.0981069	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.3432495	4.8817938	3.0966544	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.4043115	4.8833723	3.0956638	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.4679956	4.8825146	3.0953125	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.5322667	4.8770526	3.0957630	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.5888470	4.8671841	3.0968167	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.6527491	4.8537601	3.0963323	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.7240949	4.8376391	3.1001723	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.7830719	4.8196274	3.1021832	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.8947871	4.7803209	3.1060512	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-0.9995392	4.7432591	3.1085616	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.0497240	4.7264657	3.1088752	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.0985247	4.7118856	3.1083331	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
				I			
-1.1578217	4.6909020	3.1051129	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.2186585	4.6808881	3.1002393	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.3415107	4.6700555	3.0871628	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.4588573	4.6551229	3.0723518	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.5617087	4.6406187	3.0590591	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.6051271	4.6326388	3.0539621	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.6424773	4.6236396	3.0502999	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.6782210	4.6120122	3.0477719	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.7125434	4.5972765	3.0465210	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.7454181	4.5801711	3.0462663	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.7769330	4.5614265	3.0467059	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.8366706	4.5218936	3.0483593	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.8937306	4.4843545	3.0487499	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.9218439	4.4680946	3.0476160	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-1.9498572	4.4544573	3.0451705	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-2.0120258	4.4313636	3.0357383	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-2.0731138	4.4118174	3.0238761	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-2.1329143	4.3956979	3.0099395	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-2.1912150	4.3828754	2.9942572	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000
-2.2478049	4.3732132	2.9771528	0.0000000	0.0000000	0.0000000	1.0000000	1.0000000

FEDRAT / 40.0000

DS IS/POINT

X

-2.2478049

DS IS/POINT

X

-2.2464596

CARD NO. 000534 TAPE NO. 94

CARD NO. 000534 TAPE NO. 95

J

0.0000000

CARD NO. 000534 TAPE NO. 96

J

0.0000000

FEDRAT /	40.0000					CARD NO.000534	TAPE NO.	102
DS IS/POINT	X	Y	Z	I	J	K		
0.7105509	4.7514599	3.0579272	0.0000000	0.0000000	0.0000000	1.0000000		
0.8198909	4.7255627	3.0510014	0.0000000	0.0000000	0.0000000	1.0000000		
0.9292371	4.6974423	3.0430178	0.0000000	0.0000000	0.0000000	1.0000000		
1.0417761	4.6702628	3.0321445	0.0000000	0.0000000	0.0000000	1.0000000		
1.0909712	4.6580079	3.0250578	0.0000000	0.0000000	0.0000000	1.0000000		
1.1567553	4.6471712	3.0165806	0.0000000	0.0000000	0.0000000	1.0000000		
1.2947550	4.6279388	2.9927220	0.0000000	0.0000000	0.0000000	1.0000000		
1.4121380	4.6115463	2.9647237	0.0000000	0.0000000	0.0000000	1.0000000		
1.5317036	4.5974351	2.9360655	0.0000000	0.0000000	0.0000000	1.0000000		
1.6335839	4.5850770	2.9107148	0.0000000	0.0000000	0.0000000	1.0000000		
1.7070511	4.5738110	2.8929541	0.0000000	0.0000000	0.0000000	1.0000000		
1.7714204	4.5591222	2.8787354	0.0000000	0.0000000	0.0000000	1.0000000		
1.8354050	4.5400552	2.8652979	0.0000000	0.0000000	0.0000000	1.0000000		
1.8990304	4.5179157	2.8519398	0.0000000	0.0000000	0.0000000	1.0000000		
1.9626794	4.4939839	2.8376581	0.0000000	0.0000000	0.0000000	1.0000000		
2.0267830	4.4694961	2.8221234	0.0000000	0.0000000	0.0000000	1.0000000		
FEDRAT /	40.0000							
DS IS/POINT	X	Y	Z	I	J	K		
2.0267830	4.4694961	2.9221234	0.0000000	0.0000000	0.0000000	1.0000000		
DS IS/POINT	X	Y	Z	I	J	K		
2.0226149	4.4400029	2.9374373	0.0000000	0.0000000	0.0000000	1.0000000		
FEDRAT /	12.0000							
DS IS/MDI (:1)	X	Y	Z	I	J	K		
2.0226149	4.4400029	2.8374373	0.0000000	0.0000000	0.0000000	1.0000000		
FEDRAT /	40.0000							
DS IS/MDI (:1)	X	Y	Z	I	J	K		
1.9916796	4.4532011	2.8445470	0.0000000	0.0000000	0.0000000	1.0000000		
1.9296436	4.4791057	2.8579039	0.0000000	0.0000000	0.0000000	1.0000000		
1.8670092	4.5035607	2.8706538	0.0000000	0.0000000	0.0000000	1.0000000		
1.8034901	4.5256067	2.8833543	0.0000000	0.0000000	0.0000000	1.0000000		
1.7389846	4.5443184	2.8964652	0.0000000	0.0000000	0.0000000	1.0000000		
1.6732386	4.5585037	2.9107172	0.0000000	0.0000000	0.0000000	1.0000000		
1.5837249	4.5697470	2.9229440	0.0000000	0.0000000	0.0000000	1.0000000		
1.4716291	4.5808502	2.9610604	0.0000000	0.0000000	0.0000000	1.0000000		
1.3472108	4.5937956	2.9904278	0.0000000	0.0000000	0.0000000	1.0000000		
1.2194923	4.6102118	3.0168944	0.0000000	0.0000000	0.0000000	1.0000000		
1.1561946	4.6202451	3.0279129	0.0000000	0.0000000	0.0000000	1.0000000		
1.0989951	4.6316734	3.0360367	0.0000000	0.0000000	0.0000000	1.0000000		
1.0423862	4.6449769	3.0426242	0.0000000	0.0000000	0.0000000	1.0		

CONT./MDI (11)	Y	Z	I	J	CARD NO. 000534	TAPE NO. 109
0.550344	4.7561138	3.0809835	0.000000	0.000000	0.000000	1.000000
0.4357987	4.7565245	3.0866279	0.000000	0.000000	0.000000	1.000000
0.4411123	4.7542353	3.0971863	0.000000	0.000000	0.000000	1.000000
0.3312431	4.7437536	3.1154892	0.000000	0.000000	0.000000	1.000000
0.2199377	4.7311428	3.1328018	0.000000	0.000000	0.000000	1.000000
0.1061541	4.7237435	3.1459990	0.000000	0.000000	0.000000	1.000000
0.0482673	4.7244687	3.1500484	0.000000	0.000000	0.000000	1.000000
-0.0060379	4.7287501	3.1520068	0.000000	0.000000	0.000000	1.000000
-0.0608189	4.7358328	3.1525678	0.000000	0.000000	0.000000	1.000000
-0.1720584	4.7453553	3.1505232	0.000000	0.000000	0.000000	1.000000
-0.2863352	4.7747274	3.1460178	0.000000	0.000000	0.000000	1.000000
-0.3450885	4.7826851	3.1435306	0.000000	0.000000	0.000000	1.000000
-0.4051636	4.7880382	3.1412667	0.000000	0.000000	0.000000	1.000000
-0.4563958	4.7900203	3.1395135	0.000000	0.000000	0.000000	1.000000
-0.5286266	4.7874996	3.1385585	0.000000	0.000000	0.000000	1.000000
-0.5926286	4.7807463	3.1381351	0.000000	0.000000	0.000000	1.000000
-0.6549447	4.7710441	3.1378672	0.000000	0.000000	0.000000	1.000000
-0.7157773	4.7589874	3.1376935	0.000000	0.000000	0.000000	1.000000
-0.7751185	4.7451670	3.1375437	0.000000	0.000000	0.000000	1.000000
-0.8892484	4.7146087	3.1369846	0.000000	0.000000	0.000000	1.000000
-0.9971289	4.6841394	3.1354236	0.000000	0.000000	0.000000	1.000000
-1.0486618	4.6704321	3.1339831	0.000000	0.000000	0.000000	1.000000

CONT./MDI (11)	Y	Z	I	J	CARD NO. 000534	TAPE NO. 109
-1.0985573	4.6585347	3.1319322	0.000000	0.000000	0.000000	1.000000
-1.1576045	4.6476838	3.1277734	0.000000	0.000000	0.000000	1.000000
-1.2180835	4.6376099	3.1224993	0.000000	0.000000	0.000000	1.000000
-1.3402152	4.6191632	3.1097633	0.000000	0.000000	0.000000	1.000000
-1.4569479	4.6028806	3.0961559	0.000000	0.000000	0.000000	1.000000
-1.5591927	4.5852726	3.0841645	0.000000	0.000000	0.000000	1.000000
-1.6022470	4.5766101	3.0795033	0.000000	0.000000	0.000000	1.000000
-1.6391529	4.5675303	3.0760003	0.000000	0.000000	0.000000	1.000000
-1.6754660	4.5553011	3.0735754	0.000000	0.000000	0.000000	1.000000
-1.7093867	4.5386494	3.0730989	0.000000	0.000000	0.000000	1.000000
-1.7407618	4.5187055	3.0741765	0.000000	0.000000	0.000000	1.000000
-1.7699207	4.4965538	3.0763423	0.000000	0.000000	0.000000	1.000000
-1.8240570	4.4497609	3.0817430	0.000000	0.000000	0.000000	1.000000
-1.8779309	4.4063198	3.0847653	0.000000	0.000000	0.000000	1.000000
-1.9003647	4.3883505	3.0840687	0.000000	0.000000	0.000000	1.000000
-1.9360292	4.3742456	3.0813331	0.000000	0.000000	0.000000	1.000000
-1.9984290	4.3548550	3.0708378	0.000000	0.000000	0.000000	1.000000
-2.0617121	4.3424243	3.0562516	0.000000	0.000000	0.000000	1.000000
-2.1243674	4.3336081	3.0390449	0.000000	0.000000	0.000000	1.000000
-2.1856846	4.3261560	3.0206429	0.000000	0.000000	0.000000	1.000000
-2.2457016	4.3170630	3.0023713	0.000000	0.000000	0.000000	1.000000

FEDRAT / 40.0000

DS IS/POINT	X	Y	Z	I	J	CARD NO. 000534	TAPE NO. 111
-2.2457016		4.3170630	3.1023713	0.000000	0.000000	0.000000	1.000000

DS IS/POINT	X	Y	Z	I	J	CARD NO. 000534	TAPE NO. 112
-2.2436578		4.2884265	3.1151315	0.000000	0.000000	0.000000	1.000000

CARD NO. 000534	TAPE NO. 113
-----------------	--------------

FEDRAT / 12.0000
DS IS/MDI (13)
X
-2.2436578

FEDRAT / 40.0000
DS IS/MDI (13)
X

CARD NO..000534 TAPE NO. 114
J K
0.000000 1.000000
CARD NO..000534 TAPE NO. 115

CARD NO..000534 TAPE NO. 116
J K

CARD NO..000534 TAPE NO. 117
J K

Y Z I
4.2884265 3.0151315 0.000000

Y Z I
4.2941852 3.0352395 0.000000
4.3026752 3.0529705 0.000000
4.3151430 3.0680452 0.000000
4.3315644 3.0801567 0.000000
4.3528272 3.0889597 0.000000
4.3668816 3.0912728 0.000000
4.3839753 3.0919982 0.000000
4.4253421 3.0900802 0.000000
4.4699622 3.0864582 0.000000
4.4913006 3.0851231 0.000000
4.5107829 3.0846718 0.000000
4.5274659 3.0854740 0.000000
4.5403760 3.0878428 0.000000
4.5505183 3.0908030 0.000000
4.5603789 3.0949237 0.000000
4.5794969 3.1059308 0.000000
4.5980308 3.1189413 0.000000
4.6162287 3.1318219 0.000000
4.6253115 3.1375561 0.000000
4.6344786 3.1424834 0.000000
4.6437696 3.1457567 0.000000
4.6535044 3.1488241 0.000000
4.6755233 3.1541771 0.000000
4.6967699 3.1582359 0.000000
4.7063913 3.1597513 0.000000
4.7148719 3.1609562 0.000000
4.7218562 3.1619002 0.000000
4.7269917 3.1626416 0.000000
4.7296271 3.1633581 0.000000
4.7297194 3.1641483 0.000000
4.728169 3.1648901 0.000000
4.7244703 3.1654549 0.000000
4.7156597 3.1655144 0.000000
4.7077421 3.1632216 0.000000
4.7055201 3.1608416 0.000000
4.7052056 3.1574518 0.000000
4.705677 3.1524257 0.000000
4.7196678 3.1378829 0.000000
4.7362755 3.1193018 0.000000
4.7505474 3.0994102 0.000000

Y Z I
4.7545734 3.0899909 0.000000
4.7553263 3.0815346 0.000000
4.7510243 3.0745236 0.000000
4.7435963 3.0694852 0.000000
4.7308334 3.0661983 0.000000
4.6964242 3.0626062 0.000000

CONT./MDI (13)
X
0.4933047 0.4933047
0.5495215 0.5495215
0.6059595 0.6059595
0.6618988 0.6618988
0.7173300 0.7173300
0.8255847 0.8255847

0.9349020	4.5572003	3.0592618	0.0000000	0.0000000	1.0000000
1.0442386	4.6206206	3.0524079	0.0000000	0.0000000	1.0000000
1.0997342	4.6053912	3.0467205	0.0000000	0.0000000	1.0000000
1.1558354	4.5932678	3.0390780	0.0000000	0.0000000	1.0000000
1.2184297	4.5833514	3.0282273	0.0000000	0.0000000	1.0000000
1.3433130	4.5676804	3.0019520	0.0000000	0.0000000	1.0000000
1.4693302	4.5595553	2.9725064	0.0000000	0.0000000	1.0000000
1.5814429	4.5462666	2.9442616	0.0000000	0.0000000	1.0000000
1.6717802	4.5361826	2.9215357	0.0000000	0.0000000	1.0000000
1.7390649	4.5227842	2.9064840	0.0000000	0.0000000	1.0000000
1.8045689	4.5061379	2.8920389	0.0000000	0.0000000	1.0000000
1.8692618	4.4856046	2.8781164	0.0000000	0.0000000	1.0000000
1.9325256	4.4599370	2.8655117	0.0000000	0.0000000	1.0000000
1.9935224	4.4280955	2.8549930	0.0000000	0.0000000	1.0000000
2.0226656	4.4096436	2.8507084	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO.000534	TAPE NO. 118	
DS IS/POINT X					
2.0228656	4.4096436	2.9507084	0.0000000	0.0000000	1.0000000
DS IS/POINT X			CARD NO.000534	TAPE NO. 120	
2.0277491	4.3772609	2.9624053	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000			CARD NO.000534	TAPE NO. 121	
DS IS/MDI (15) X					
2.0277491	4.3772609	2.8624053	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO.000534	TAPE NO. 123	
DS IS/MDI (15) X					
1.9671846	4.4176958	2.8705560	0.0000000	0.0000000	1.0000000
1.9034794	4.4496856	2.8816667	0.0000000	0.0000000	1.0000000
1.8380084	4.4743090	2.8949409	0.0000000	0.0000000	1.0000000
1.7718534	4.4931685	2.9093836	0.0000000	0.0000000	1.0000000
1.7057521	4.5081558	2.9239836	0.0000000	0.0000000	1.0000000
1.6700810	4.5141287	2.9322359	0.0000000	0.0000000	1.0000000
1.5788773	4.529285	2.9555225	0.0000000	0.0000000	1.0000000
1.4668193	4.5308085	2.9841850	0.0000000	0.0000000	1.0000000
1.3430334	4.5408722	3.0136591	0.0000000	0.0000000	1.0000000
1.2173354	4.5554834	3.0398332	0.0000000	0.0000000	1.0000000
1.1554791	4.5652194	3.0505335	0.0000000	0.0000000	1.0000000
1.1003108	4.5775522	3.0578411	0.0000000	0.0000000	1.0000000
0.9926589	4.6122369	3.0668133	0.0000000	0.0000000	1.0000000
0.8853022	4.6242188	3.0705523	0.0000000	0.0000000	1.0000000
0.7765104	4.6955914	3.0725597	0.0000000	0.0000000	1.0000000
0.7207633	4.7131482	3.0743611	0.0000000	0.0000000	1.0000000
0.6636576	4.7266785	3.0775904	0.0000000	0.0000000	1.0000000
0.6058679	4.7354300	3.0828966	0.0000000	0.0000000	1.0000000
0.5476975	4.7384584	3.0902204	0.0000000	0.0000000	1.0000000

DS IS/MDI (17)	X	Y	Z	I	J	CARD NO. 000534	TAPE NO. K	130
-2.2343922		4.2291338	3.0424980	0.000000	0.000000	0.000000	1.000000	
FEDRAT / 40.0000								
DS IS/MDI (17)	X	Y	Z	I	J	CARD NO. 000534	TAPE NO. K	131
-2.1739295		4.2328258	3.0619239	0.000000	0.000000	0.000000	1.000000	
-2.1135916		4.2429578	3.0778530	0.000000	0.000000	0.000000	1.000000	
-2.0543568		4.2533384	3.0906406	0.000000	0.000000	0.000000	1.000000	
-1.9957223		4.2778961	3.1006324	0.000000	0.000000	0.000000	1.000000	
-1.9387311		4.3006103	3.1082925	0.000000	0.000000	0.000000	1.000000	
-1.9134809		4.3140532	3.1101989	0.000000	0.000000	0.000000	1.000000	
-1.8876697		4.3304988	3.1110362	0.000000	0.000000	0.000000	1.000000	
-1.8338091		4.3693658	3.1106093	0.000000	0.000000	0.000000	1.000000	
-1.7754000		4.4111945	3.1093451	0.000000	0.000000	0.000000	1.000000	
-1.7438311		4.4313297	3.1091391	0.000000	0.000000	0.000000	1.000000	
-1.7103909		4.4499200	3.1095097	0.000000	0.000000	0.000000	1.000000	
-1.6749475		4.4661830	3.1109513	0.000000	0.000000	0.000000	1.000000	
-1.6374680		4.4793275	3.1134562	0.000000	0.000000	0.000000	1.000000	
-1.6019472		4.4901188	3.1161193	0.000000	0.000000	0.000000	1.000000	
-1.5594844		4.5007771	3.1200056	0.000000	0.000000	0.000000	1.000000	
-1.4574297		4.5215781	3.1306220	0.000000	0.000000	0.000000	1.000000	
-1.3400723		4.5413687	3.1434144	0.000000	0.000000	0.000000	1.000000	
-1.2163665		4.5597484	3.1564331	0.000000	0.000000	0.000000	1.000000	
-1.1542547		4.5683333	3.1624292	0.000000	0.000000	0.000000	1.000000	
-1.0923648		4.5765352	3.1677630	0.000000	0.000000	0.000000	1.000000	
-1.0330119		4.5842265	3.1717161	0.000000	0.000000	0.000000	1.000000	
-0.9837126		4.5920387	3.1754767	0.000000	0.000000	0.000000	1.000000	
-0.8697183		4.6081114	3.1818407	0.000000	0.000000	0.000000	1.000000	
-0.7534106		4.6241965	3.1861457	0.000000	0.000000	0.000000	1.000000	
-0.6951502		4.6317305	3.1875519	0.000000	0.000000	0.000000	1.000000	
-0.6370872		4.6385556	3.1885093	0.000000	0.000000	0.000000	1.000000	
-0.5793010		4.6443299	3.1893110	0.000000	0.000000	0.000000	1.000000	
-0.5217530		4.6487381	3.1898936	0.000000	0.000000	0.000000	1.000000	
-0.4640896		4.6515594	3.1903917	0.000000	0.000000	0.000000	1.000000	
-0.4067027		4.6529737	3.1907418	0.000000	0.000000	0.000000	1.000000	
-0.3494664		4.6533089	3.1908611	0.000000	0.000000	0.000000	1.000000	
-0.2923480		4.6529058	3.1906538	0.000000	0.000000	0.000000	1.000000	
-0.1786898		4.6512641	3.1888669	0.000000	0.000000	0.000000	1.000000	
-0.0666755		4.6507390	3.1846740	0.000000	0.000000	0.000000	1.000000	
-0.0117102		4.6516761	3.1815113	0.000000	0.000000	0.000000	1.000000	
0.0423383		4.6537831	3.1775834	0.000000	0.000000	0.000000	1.000000	
0.0973627		4.6576695	3.1725335	0.000000	0.000000	0.000000	1.000000	
0.2065377		4.6706151	3.1591610	0.000000	0.000000	0.000000	1.000000	
0.3170666		4.6867379	3.1424175	0.000000	0.000000	0.000000	1.000000	
0.4296483		4.7006489	3.1241172	0.000000	0.000000	0.000000	1.000000	
CONT./MDI (17)	X	Y	Z	I	J	CARD NO. 000534	TAPE NO. K	133
0.4871326		4.7047249	3.1151479	0.000000	0.000000	0.000000	1.000000	
0.5454901		4.7056467	3.1068102	0.000000	0.000000	0.000000	1.000000	
0.6046080		4.7024727	3.0995237	0.000000	0.000000	0.000000	1.000000	
0.6639541		4.6940052	3.0938877	0.000000	0.000000	0.000000	1.000000	
0.7220053		4.6805547	3.0900377	0.000000	0.000000	0.000000	1.000000	
0.7785776		4.6634260	3.0874889	0.000000	0.000000	0.000000	1.000000	
0.8881903		4.6231723	3.0838366	0.000000	0.000000	0.000000	1.000000	

0.9951987	4.5823368	3.0788132	0.0000000	0.0000000	0.0000000	1.0000000
1.0484466	4.5611040	3.0747893	0.0000000	0.0000000	0.0000000	1.0000000
1.1017419	4.5484821	3.0693364	0.0000000	0.0000000	0.0000000	1.0000000
1.1550883	4.5303335	3.0621716	0.0000000	0.0000000	0.0000000	1.0000000
1.2161591	4.5238396	3.0516111	0.0000000	0.0000000	0.0000000	1.0000000
1.3411370	4.5135677	3.0254714	0.0000000	0.0000000	0.0000000	1.0000000
1.4640887	4.5055524	2.9957769	0.0000000	0.0000000	0.0000000	1.0000000
1.5760669	4.4988002	2.9666988	0.0000000	0.0000000	0.0000000	1.0000000
1.6682268	4.4923695	2.9428825	0.0000000	0.0000000	0.0000000	1.0000000
1.7053354	4.4864573	2.9341937	0.0000000	0.0000000	0.0000000	1.0000000
1.7720810	4.4792911	2.9199550	0.0000000	0.0000000	0.0000000	1.0000000
1.8390654	4.4748477	2.9064357	0.0000000	0.0000000	0.0000000	1.0000000
1.9056065	4.4706822	2.8940155	0.0000000	0.0000000	0.0000000	1.0000000
1.9705347	4.4657368	2.8830338	0.0000000	0.0000000	0.0000000	1.0000000
2.0337049	4.4633504	2.8737730	0.0000000	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000						
DS IS/POINT						
X	Y	Z	I	J	K	
2.0337049	4.3433504	2.9737730	0.0000000	0.0000000	1.0000000	TAPE NO. 134
DS IS/POINT						
X	Y	Z	I	J	K	
2.0373542	4.3084925	2.9860005	0.0000000	0.0000000	1.0000000	TAPE NO. 135
FEDRAT / 12.0000						
DS IS/MDI (19)						
X	Y	Z	I	J	K	
2.0373542	4.3084925	2.9860005	0.0000000	0.0000000	1.0000000	TAPE NO. 136
FEDRAT / 40.0000						
DS IS/MDI (19)						
X	Y	Z	I	J	K	
2.0373542	4.3084925	2.9860005	0.0000000	0.0000000	1.0000000	TAPE NO. 137
FEDRAT / 40.0000						
DS IS/MDI (19)						
X	Y	Z	I	J	K	
2.0373542	4.3084925	2.9860005	0.0000000	0.0000000	1.0000000	TAPE NO. 138
FEDRAT / 40.0000						
DS IS/MDI (19)						
X	Y	Z	I	J	K	
2.0373542	4.3084925	2.9860005	0.0000000	0.0000000	1.0000000	TAPE NO. 139
FEDRAT / 40.0000						
DS IS/MDI (19)						
X	Y	Z	I	J	K	
2.0373542	4.3084925	2.9860005	0.0000000	0.0000000	1.0000000	TAPE NO. 140

0.6022499	4.6522566	3.1230050	0.0000000	1.0000000
0.5435378	4.6561794	3.1297138	0.0000000	1.0000000
0.4854278	4.6569769	3.1369385	0.0000000	1.0000000
0.4279815	4.6553102	3.1444493	0.0000000	1.0000000
0.3149865	4.6471829	3.1594674	0.0000000	1.0000000
0.2040301	4.6366193	3.1732248	0.0000000	1.0000000
0.0944505	4.6277728	3.1844449	0.0000000	1.0000000
0.0400131	4.6251454	3.1887525	0.0000000	1.0000000
-0.0143101	4.6238994	3.1921712	0.0000000	1.0000000
-0.0693345	4.6236293	3.1948807	0.0000000	1.0000000
-0.1810453	4.6249316	3.1983747	0.0000000	1.0000000
-0.2940858	4.6267540	3.1997485	0.0000000	1.0000000
-0.3508199	4.6270970	3.1998486	0.0000000	1.0000000
-0.4076186	4.6266433	3.1996831	0.0000000	1.0000000
-0.4644978	4.6250798	3.1993469	0.0000000	1.0000000
-0.5215538	4.6221002	3.1989267	0.0000000	1.0000000
-0.5783807	4.6174930	3.1985085	0.0000000	1.0000000
-0.6354452	4.6114287	3.1980320	0.0000000	1.0000000
-0.6927716	4.6042090	3.1973839	0.0000000	1.0000000
-0.7503012	4.5961371	3.1964544	0.0000000	1.0000000
-0.8654027	4.5785508	3.1933980	0.0000000	1.0000000

CONT./MDI (19) X

-0.9791735	4.5605097	3.1884612	0.0000000	1.0000000
-1.0350095	4.5516872	3.1853139	0.0000000	1.0000000
-1.0899459	4.5431103	3.1817776	0.0000000	1.0000000
-1.1521276	4.5342636	3.1767406	0.0000000	1.0000000
-1.2147348	4.5252241	3.1709195	0.0000000	1.0000000
-1.3392906	4.5064843	3.1579345	0.0000000	1.0000000
-1.4569611	4.4869182	3.1448741	0.0000000	1.0000000
-1.5589547	4.4666934	3.1338652	0.0000000	1.0000000
-1.6011827	4.4563851	3.1298026	0.0000000	1.0000000
-1.6361539	4.4459592	3.1270362	0.0000000	1.0000000
-1.6731758	4.4332511	3.1244004	0.0000000	1.0000000
-1.7084749	4.4175194	3.1228114	0.0000000	1.0000000
-1.7420721	4.3995152	3.1202977	0.0000000	1.0000000
-1.7740352	4.3799856	3.1218318	0.0000000	1.0000000
-1.8044708	4.3596730	3.1219793	0.0000000	1.0000000
-1.8613146	4.3196413	3.1223163	0.0000000	1.0000000
-1.8880250	4.3013841	3.1219952	0.0000000	1.0000000
-1.9137648	4.2852718	3.1210041	0.0000000	1.0000000
-1.9367073	4.2720367	3.1190870	0.0000000	1.0000000
-1.9671361	4.2604325	3.1154611	0.0000000	1.0000000
-2.0246194	4.2393066	3.1066613	0.0000000	1.0000000
-2.0829259	4.2216530	3.0955421	0.0000000	1.0000000
-2.1418402	4.2083302	3.0818354	0.0000000	1.0000000
-2.2009215	4.2002448	3.0653105	0.0000000	1.0000000
-2.2303191	4.1984648	3.0559300	0.0000000	1.0000000

FEDRAT / 40.0000

DS IS/POINT	X	Y	Z	I	J	K
-2.2303191		4.1984648	3.1559300	0.0000000	0.0000000	1.0000000
DS IS/POINT	X	Y	Z	I	J	K
-2.2385995		4.1671773	3.1684687	0.0000000	0.0000000	1.0000000

CONT./MDI (23)	X	Y	Z	I	J	K	TAPE NO.
1.1545928	4.5387253	3.2133503	0.0000000	0.0000000	0.0000000	1.0000000	157
1.1013961	4.5098420	3.2139818	0.0000000	0.0000000	0.0000000	1.0000000	
1.0473887	4.4822952	3.2122055	0.0000000	0.0000000	0.0000000	1.0000000	
0.9925085	4.4701597	3.2100556	0.0000000	0.0000000	0.0000000	1.0000000	
0.8812092	4.4587441	3.2059740	0.0000000	0.0000000	0.0000000	1.0000000	
0.7684261	4.4477633	3.2008227	0.0000000	0.0000000	0.0000000	1.0000000	
0.7118882	4.4269809	3.1884263	0.0000000	0.0000000	0.0000000	1.0000000	
0.6553573	4.4074214	3.1752119	0.0000000	0.0000000	0.0000000	1.0000000	
0.5987954	4.3887016	3.1636810	0.0000000	0.0000000	0.0000000	1.0000000	
0.5427992	4.3795463	3.1593706	0.0000000	0.0000000	0.0000000	1.0000000	
0.4867162	4.3704314	3.1565136	0.0000000	0.0000000	0.0000000	1.0000000	
0.4305391	4.3595414	3.1538915	0.0000000	0.0000000	0.0000000	1.0000000	
0.3742984	4.3450761	3.1520023	0.0000000	0.0000000	0.0000000	1.0000000	
0.2618736	4.3301211	3.1506201	0.0000000	0.0000000	0.0000000	1.0000000	
0.1500415	4.3121011	3.1495437	0.0000000	0.0000000	0.0000000	1.0000000	
0.0945300	4.2948837	3.1485976	0.0000000	0.0000000	0.0000000	1.0000000	
0.0393530	4.2589536	3.1465053	0.0000000	0.0000000	0.0000000	1.0000000	
-0.0153792	4.2423687	3.1450905	0.0000000	0.0000000	0.0000000	1.0000000	
-0.0704220	4.2275183	3.1432367	0.0000000	0.0000000	0.0000000	1.0000000	
-0.1258009	4.2150321	3.1407707	0.0000000	0.0000000	0.0000000	1.0000000	
-0.2376593	4.2041596	3.1368314	0.0000000	0.0000000	0.0000000	1.0000000	
-0.3510657	4.1942452	3.132746	0.0000000	0.0000000	0.0000000	1.0000000	
-0.4083315	4.1768843	3.1215074	0.0000000	0.0000000	0.0000000	1.0000000	
-0.4659282	4.1621332	3.1088771	0.0000000	0.0000000	0.0000000	1.0000000	
-0.5237654	4.1491797	3.0947180	0.0000000	0.0000000	0.0000000	1.0000000	
-0.5810730	4.1372585	3.0792534	0.0000000	0.0000000	0.0000000	1.0000000	
-0.6380345							
-0.6946878							

FEDRAT / 40.0000

CARD NO. 000534 TAPE NO. 158

DS IS/POINT	X	Y	Z	I	J	K
-2.2297521	4.1372585	3.1795534	0.0000000	0.0000000	0.0000000	1.0000000
DS IS/POINT						
-2.2324746	4.1046696	3.1902684	0.0000000	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000						
DS IS/MDI (25)	4.1046696	3.0902684	0.0000000	0.0000000	0.0000000	1.0000000
-2.2324746						
FEDRAT / 40.0000						
DS IS/MDI (25)						
-2.1716215	4.1187904	3.1057012	0.0000000	0.0000000	0.0000000	1.0000000
-2.1116339	4.1333343	3.1196950	0.0000000	0.0000000	0.0000000	1.0000000
-2.0523827	4.1490414	3.1321373	0.0000000	0.0000000	0.0000000	1.0000000
-1.9939258	4.1667536	3.1427719	0.0000000	0.0000000	0.0000000	1.0000000
-1.9650755	4.1766434	3.1473007	0.0000000	0.0000000	0.0000000	1.0000000
-1.9365537	4.1873774	3.1512335	0.0000000	0.0000000	0.0000000	1.0000000
-1.9094997	4.1995856	3.1540681	0.0000000	0.0000000	0.0000000	1.0000000
-1.8810899	4.2138235	3.1563725	0.0000000	0.0000000	0.0000000	1.0000000
-1.8513304	4.2295711	3.1582761	0.0000000	0.0000000	0.0000000	1.0000000
-1.7866473	4.2633977	3.1612354	0.0000000	0.0000000	0.0000000	1.0000000
-1.7563567	4.2803345	3.1624752	0.0000000	0.0000000	0.0000000	1.0000000
-1.7238356	4.2965115	3.1637223	0.0000000	0.0000000	0.0000000	1.0000000
-1.6912833	4.3113461	3.1651479	0.0000000	0.0000000	0.0000000	1.0000000
-1.6587696	4.3242609	3.1669581	0.0000000	0.0000000	0.0000000	1.0000000
-1.6262115	4.3346873	3.1693879	0.0000000	0.0000000	0.0000000	1.0000000
-1.5945238	4.3434283	3.1721327	0.0000000	0.0000000	0.0000000	1.0000000
-1.5542202	4.3523349	3.1764133	0.0000000	0.0000000	0.0000000	1.0000000
-1.4538643	4.3707485	3.1879821	0.0000000	0.0000000	0.0000000	1.0000000
-1.3364828	4.3903117	3.2012522	0.0000000	0.0000000	0.0000000	1.0000000
-1.2113808	4.4115098	3.2136331	0.0000000	0.0000000	0.0000000	1.0000000
-1.1482420	4.4287325	3.2187256	0.0000000	0.0000000	0.0000000	1.0000000
-1.0853621	4.4348141	3.2227023	0.0000000	0.0000000	0.0000000	1.0000000
-1.0299009	4.4477443	3.2246623	0.0000000	0.0000000	0.0000000	1.0000000
-0.9745199	4.4622659	3.2255804	0.0000000	0.0000000	0.0000000	1.0000000
-0.8637835	4.4940078	3.2250129	0.0000000	0.0000000	0.0000000	1.0000000
-0.7524822	4.5257960	3.2224869	0.0000000	0.0000000	0.0000000	1.0000000
-0.6963495	4.5403275	3.2209720	0.0000000	0.0000000	0.0000000	1.0000000
-0.6397583	4.5531848	3.2195534	0.0000000	0.0000000	0.0000000	1.0000000
-0.5826353	4.5637745	3.2184315	0.0000000	0.0000000	0.0000000	1.0000000
-0.5249518	4.5714912	3.2178071	0.0000000	0.0000000	0.0000000	1.0000000
-0.4664914	4.5758025	3.2178426	0.0000000	0.0000000	0.0000000	1.0000000
-0.4083655	4.5769463	3.2184109	0.0000000	0.0000000	0.0000000	1.0000000
-0.3506857	4.5754985	3.2193350	0.0000000	0.0000000	0.0000000	1.0000000
-0.2935076	4.5720384	3.2204366	0.0000000	0.0000000	0.0000000	1.0000000
-0.1866677	4.5614169	3.2224472	0.0000000	0.0000000	0.0000000	1.0000000
-0.0696073	4.54497405	3.2229735	0.0000000	0.0000000	0.0000000	1.0000000
-0.0146174	4.5449303	3.2222161	0.0000000	0.0000000	0.0000000	1.0000000
0.0400686	4.5416200	3.2205318	0.0000000	0.0000000	0.0000000	1.0000000

-1.9933108	4.1387591	3.1533366	0.0000000	0.0000000	1.0000000
-2.0520216	4.1194419	3.1432474	0.0000000	0.0000000	1.0000000
-2.1113481	4.1017133	3.1313033	0.0000000	0.0000000	1.0000000
-2.1731080	4.0852992	3.1174666	0.0000000	0.0000000	1.0000000
-2.2355612	4.0699862	3.1016198	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					
DS IS/POINT X	Y	Z	I	J	K
-2.2355612	4.0699862	3.2016198	0.0000000	0.0000000	1.0000000
DS IS/POINT X	Y	Z	I	J	K
-2.2378720	4.0336434	3.2134459	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000					
DS IS/MDI (29)	Y	Z	I	J	K
-2.2378720	4.0336434	3.1134459	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					
DS IS/MDI (29)	Y	Z	I	J	K
-2.1746674	4.0490147	3.1298358	0.0000000	0.0000000	1.0000000
-2.1128622	4.0674598	3.1434020	0.0000000	0.0000000	1.0000000
-2.0525208	4.0881756	3.1545548	0.0000000	0.0000000	1.0000000
-1.9935251	4.1103056	3.1637855	0.0000000	0.0000000	1.0000000
-1.9354164	4.1329848	3.1716459	0.0000000	0.0000000	1.0000000
-1.8061899	4.1453198	3.1749261	0.0000000	0.0000000	1.0000000
-1.8761158	4.1593608	3.1775582	0.0000000	0.0000000	1.0000000
-1.8136723	4.1906956	3.1813591	0.0000000	0.0000000	1.0000000
-1.7498343	4.2231106	3.1838731	0.0000000	0.0000000	1.0000000
-1.7181010	4.2384688	3.1849602	0.0000000	0.0000000	1.0000000
-1.6867368	4.2525870	3.1861630	0.0000000	0.0000000	1.0000000
-1.6557646	4.2649640	3.1876916	0.0000000	0.0000000	1.0000000
-1.6250492	4.2751065	3.1897806	0.0000000	0.0000000	1.0000000
-1.5941136	4.2835789	3.1924513	0.0000000	0.0000000	1.0000000
-1.5540428	4.2918755	3.1968428	0.0000000	0.0000000	1.0000000
-1.4539593	4.3083685	3.2089869	0.0000000	0.0000000	1.0000000
-1.3366392	4.3256155	3.2230795	0.0000000	0.0000000	1.0000000
-1.2115713	4.3447433	3.2363029	0.0000000	0.0000000	1.0000000
-1.1484854	4.3553723	3.2417531	0.0000000	0.0000000	1.0000000
-1.0857105	4.3669016	3.2460020	0.0000000	0.0000000	1.0000000
-1.0308359	4.3799596	3.2480462	0.0000000	0.0000000	1.0000000
-0.9760020	4.3952212	3.2489151	0.0000000	0.0000000	1.0000000
-0.8662491	4.4297546	3.2479458	0.0000000	0.0000000	1.0000000
-0.7555270	4.4651690	3.2448158	0.0000000	0.0000000	1.0000000
-0.6993776	4.4814364	3.2430232	0.0000000	0.0000000	1.0000000
-0.6424644	4.4957353	3.2414099	0.0000000	0.0000000	1.0000000
-0.5847435	4.5072703	3.2402314	0.0000000	0.0000000	1.0000000
-0.5261459	4.5152277	3.2397415	0.0000000	0.0000000	1.0000000
-0.4670890	4.5194515	3.2399304	0.0000000	0.0000000	1.0000000

FEDRAT / 40.0000
DS IS/MDI (31)

Y	Z	I	J	K
4.1658774	2.9669639	0.0000000	0.0000000	1.0000000
4.1909163	2.9849279	0.0000000	0.0000000	1.0000000
4.2113837	3.0025378	0.0000000	0.0000000	1.0000000
4.2284434	3.0193512	0.0000000	0.0000000	1.0000000
4.2433771	3.0349871	0.0000000	0.0000000	1.0000000
4.2494080	3.0432633	0.0000000	0.0000000	1.0000000
4.2537185	3.0534415	0.0000000	0.0000000	1.0000000
4.2594210	3.0783445	0.0000000	0.0000000	1.0000000
4.2645353	3.1082060	0.0000000	0.0000000	1.0000000
4.2721812	3.1331299	0.0000000	0.0000000	1.0000000
4.2792955	3.1450710	0.0000000	0.0000000	1.0000000
4.2879525	3.1554360	0.0000000	0.0000000	1.0000000
4.2994939	3.1631571	0.0000000	0.0000000	1.0000000
4.3142208	3.1693879	0.0000000	0.0000000	1.0000000
4.3312267	3.1744076	0.0000000	0.0000000	1.0000000
4.3684748	3.1820221	0.0000000	0.0000000	1.0000000
4.4041711	3.1885103	0.0000000	0.0000000	1.0000000
4.4192896	3.1921225	0.0000000	0.0000000	1.0000000
4.4314576	3.1963826	0.0000000	0.0000000	1.0000000
4.4398198	3.2015698	0.0000000	0.0000000	1.0000000
4.4452453	3.2072192	0.0000000	0.0000000	1.0000000
4.4494294	3.2129401	0.0000000	0.0000000	1.0000000
4.4525853	3.2186424	0.0000000	0.0000000	1.0000000
4.4549426	3.2242289	0.0000000	0.0000000	1.0000000
4.4579330	3.2346716	0.0000000	0.0000000	1.0000000
4.4599245	3.2435777	0.0000000	0.0000000	1.0000000
4.4609489	3.2472806	0.0000000	0.0000000	1.0000000
4.4622037	3.2504053	0.0000000	0.0000000	1.0000000
4.4642784	3.2527125	0.0000000	0.0000000	1.0000000
4.4674346	3.2542596	0.0000000	0.0000000	1.0000000
4.4752651	3.2555392	0.0000000	0.0000000	1.0000000
4.4822447	3.2551637	0.0000000	0.0000000	1.0000000
4.4843412	3.2546404	0.0000000	0.0000000	1.0000000
4.4849384	3.2540452	0.0000000	0.0000000	1.0000000
4.4836095	3.2534916	0.0000000	0.0000000	1.0000000
4.4799269	3.2530915	0.0000000	0.0000000	1.0000000
4.4727345	3.2532202	0.0000000	0.0000000	1.0000000
4.4617381	3.2540570	0.0000000	0.0000000	1.0000000
4.4477895	3.2553567	0.0000000	0.0000000	1.0000000
4.4317327	3.2568663	0.0000000	0.0000000	1.0000000

CONT./MDI (31)

Y	Z	I	J	K
4.3965554	3.2595059	0.0000000	0.0000000	1.0000000
4.3624620	3.2600238	0.0000000	0.0000000	1.0000000
4.3476840	3.2589129	0.0000000	0.0000000	1.0000000
4.3353928	3.2565961	0.0000000	0.0000000	1.0000000
4.3249614	3.2519811	0.0000000	0.0000000	1.0000000
4.3156574	3.2461027	0.0000000	0.0000000	1.0000000
4.2995136	3.2319316	0.0000000	0.0000000	1.0000000
4.2851117	3.2169190	0.0000000	0.0000000	1.0000000
4.2705840	3.2040751	0.0000000	0.0000000	1.0000000
4.2626867	3.1994748	0.0000000	0.0000000	1.0000000
4.2540829	3.1967034	0.0000000	0.0000000	1.0000000
4.2435131	3.1947593	0.0000000	0.0000000	1.0000000
4.2306536	3.1934517	0.0000000	0.0000000	1.0000000
4.2160028	3.1925449	0.0000000	0.0000000	1.0000000

-1.7509467	4.200661	3.191823	0.000000	0.000000	0.000000	1.000000
-1.8135859	4.1663874	3.1901678	0.000000	0.000000	0.000000	1.000000
-1.8753833	4.1337726	3.1871397	0.000000	0.000000	0.000000	1.000000
-1.9056242	4.1191723	3.1847248	0.000000	0.000000	0.000000	1.000000
-1.9354132	4.1064003	3.1814808	0.000000	0.000000	0.000000	1.000000
-1.9951167	4.0814256	3.1739263	0.000000	0.000000	0.000000	1.000000
-2.0544615	4.0552740	3.1657863	0.000000	0.000000	0.000000	1.000000
-2.1146199	4.0306121	3.1557125	0.000000	0.000000	0.000000	1.000000
-2.1759882	4.0099555	3.1426653	0.000000	0.000000	0.000000	1.000000
-2.2383693	3.9958586	3.1259123	0.000000	0.000000	0.000000	1.000000
FEDRAT / 40.0000					CARD NO. 000534	TAPE NO. 190
DS IS/POINT	X	Y	Z	I		
-2.2383693	3.9958586	3.2259123	0.000000	0.000000	CARD NO. 000534	TAPE NO. 191
DS IS/POINT	X	Y	Z	I		
-2.2381738	3.960601	3.2375092	0.000000	0.000000	CARD NO. 000534	TAPE NO. 192
FEDRAT / 12.0000					CARD NO. 000534	TAPE NO. 193
DS IS/MDI (33)	X	Y	Z	I		
-2.2381738	3.960601	3.1375092	0.000000	0.000000	CARD NO. 000534	TAPE NO. 194
FEDRAT / 40.0000						
DS IS/MDI (33)	X	Y	Z	I		
-2.1772821	3.9733537	3.1541674	0.000000	0.000000	CARD NO. 000534	TAPE NO. 195
-2.1160631	3.9914195	3.1683295	0.000000	0.000000		
-2.0547323	4.0133409	3.1801149	0.000000	0.000000		
-1.9932657	4.0381850	3.1897235	0.000000	0.000000		
-1.9313546	4.0649850	3.1974389	0.000000	0.000000		
-1.9006876	4.0799792	3.2001280	0.000000	0.000000		
-1.8706244	4.0971129	3.2015736	0.000000	0.000000		
-1.8115015	4.1352293	3.2019351	0.000000	0.000000		
-1.7523848	4.1741997	3.2008862	0.000000	0.000000		
-1.7223976	4.1923990	3.2005448	0.000000	0.000000		
-1.6919558	4.2083847	3.2006891	0.000000	0.000000		
-1.6609776	4.2230160	3.2015822	0.000000	0.000000		
-1.6294150	4.2341537	3.2034810	0.000000	0.000000		
-1.5959372	4.2426208	3.2065901	0.000000	0.000000		
-1.5544292	4.2497676	3.2115824	0.000000	0.000000		
-1.4529724	4.2616658	3.2253485	0.000000	0.000000		
-1.3652745	4.2725560	3.2412556	0.000000	0.000000		
-1.2104064	4.2664895	3.2560761	0.000000	0.000000		
-1.1476374	4.2694918	3.2621401	0.000000	0.000000		
-1.0854023	4.3048754	3.2668246	0.000000	0.000000		
-1.0316865	4.3171547	3.2690759	0.000000	0.000000		
-0.9777674	4.332517	3.2700535	0.000000	0.000000		
-0.9693064	4.3681749	3.2691248	0.000000	0.000000		
-0.7598577	4.4056207	3.2659986	0.000000	0.000000		

DS 1S/MDI (35) 2.0380531
 CARD NO. 000534 TAPE NO. 202
 0.0000000 1.0000000
 CARD NO. 000534 TAPE NO. 203

FEDRAT / 40.0000
 CARD NO. 000534 TAPE NO. 204
 0.0000000 1.0000000

DS 1S/MDI (35) 4.0784931
 CARD NO. 000534 TAPE NO. 205
 0.0000000 1.0000000

CONT./MDI (35) 4.068049
 CARD NO. 000534 TAPE NO. 206
 0.0000000 1.0000000

DS 15/POINT	2.0368235	4.0505827	3.0815754	0.0000000	0.0000000	1.0000000
	X	Y	Z	I	J	K
	2.0350102	4.0230720	3.0918902	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000						
DS 15/MDI (39)	2.0360102	4.0230720	2.9918902	0.0000000	0.0000000	1.0000000
	X	Y	Z	I	J	K
FEDRAT / 40.0000						
DS 15/MDI (39)	2.0019544	4.0385224	3.0009036	0.0000000	0.0000000	1.0000000
	X	Y	Z	I	J	K
	1.9677069	4.0529327	3.0097304	0.0000000	0.0000000	1.0000000
	1.9332519	4.0662935	3.0184055	0.0000000	0.0000000	1.0000000
	1.8985799	4.0785901	3.0269567	0.0000000	0.0000000	1.0000000
	1.8636666	4.0898027	3.0354064	0.0000000	0.0000000	1.0000000
	1.8285725	4.0998076	3.0437726	0.0000000	0.0000000	1.0000000
	1.7932419	4.1088773	3.0520691	0.0000000	0.0000000	1.0000000
	1.7577025	4.1166805	3.0603069	0.0000000	0.0000000	1.0000000
	1.7219653	4.1232827	3.0684939	0.0000000	0.0000000	1.0000000
	1.6860438	4.1286459	3.0766358	0.0000000	0.0000000	1.0000000
	1.6466889	4.1321623	3.0857956	0.0000000	0.0000000	1.0000000
	1.6028152	4.1336334	3.0964104	0.0000000	0.0000000	1.0000000
	1.5538330	4.1339172	3.1084002	0.0000000	0.0000000	1.0000000
	1.4432903	4.1336880	3.1349357	0.0000000	0.0000000	1.0000000
	1.3231227	4.1362389	3.1618724	0.0000000	0.0000000	1.0000000
	1.2623497	4.1397963	3.1743756	0.0000000	0.0000000	1.0000000
	1.2026256	4.1454793	3.1856624	0.0000000	0.0000000	1.0000000
	1.1449272	4.1537476	3.1953200	0.0000000	0.0000000	1.0000000
	1.0934800	4.1652646	3.2024157	0.0000000	0.0000000	1.0000000
	1.0416281	4.1803568	3.2083782	0.0000000	0.0000000	1.0000000
	0.9894224	4.1981472	3.2133991	0.0000000	0.0000000	1.0000000
	0.8836146	4.2383370	3.2214709	0.0000000	0.0000000	1.0000000
	0.7746074	4.2785352	3.2285880	0.0000000	0.0000000	1.0000000
	0.7182651	4.2961069	3.2325101	0.0000000	0.0000000	1.0000000
	0.6604213	4.3104969	3.2370871	0.0000000	0.0000000	1.0000000
	0.6010390	4.3205141	3.2426109	0.0000000	0.0000000	1.0000000
	0.5430898	4.3251534	3.2489959	0.0000000	0.0000000	1.0000000
	0.4856546	4.3250925	3.2562619	0.0000000	0.0000000	1.0000000
	0.4289180	4.3214362	3.2640514	0.0000000	0.0000000	1.0000000
	0.3728668	4.3153016	3.2720279	0.0000000	0.0000000	1.0000000
	0.2622079	4.2998692	3.2873483	0.0000000	0.0000000	1.0000000
	0.1522276	4.2867489	3.3001036	0.0000000	0.0000000	1.0000000
	0.0971980	4.2833247	3.3049277	0.0000000	0.0000000	1.0000000
	0.0421860	4.2831680	3.3083951	0.0000000	0.0000000	1.0000000
	-0.0110912	4.2866979	3.3103638	0.0000000	0.0000000	1.0000000
	-0.0648468	4.2932143	3.3112037	0.0000000	0.0000000	1.0000000
	-0.1738407	4.3117909	3.3102651	0.0000000	0.0000000	1.0000000
	-0.2856627	4.3319527	3.3071642	0.0000000	0.0000000	1.0000000
	-0.3430903	4.3403291	3.3053342	0.0000000	0.0000000	1.0000000
	-0.4017589	4.3462581	3.3036200	0.0000000	0.0000000	1.0000000

CONT./MDI (39)	X	Y	Z	I	J	CARD NO. 000534	TAPE NO. K
-0.4616576	4.3467137	3.3022554	0.0000000	0.0000000	0.0000000	1.0000000	
-0.5227416	4.3466647	3.3014737	0.0000000	0.0000000	0.0000000	1.0000000	
-0.5843016	4.3395187	3.3013399	0.0000000	0.0000000	0.0000000	1.0000000	
-0.6444080	4.3280271	3.3018890	0.0000000	0.0000000	0.0000000	1.0000000	
-0.7030160	4.3131824	3.3027849	0.0000000	0.0000000	0.0000000	1.0000000	
-0.7602018	4.2959682	3.3038761	0.0000000	0.0000000	0.0000000	1.0000000	
-0.8709287	4.2582417	3.3057989	0.0000000	0.0000000	0.0000000	1.0000000	
-0.9778996	4.2221930	3.3059703	0.0000000	0.0000000	0.0000000	1.0000000	
-1.0302530	4.2070021	3.3048906	0.0000000	0.0000000	0.0000000	1.0000000	
-1.0818565	4.1940673	3.3027737	0.0000000	0.0000000	0.0000000	1.0000000	
-1.1420700	4.1857192	3.2982971	0.0000000	0.0000000	0.0000000	1.0000000	
-1.2033470	4.1790625	3.2922782	0.0000000	0.0000000	0.0000000	1.0000000	
-1.3262525	4.1710543	3.2771277	0.0000000	0.0000000	0.0000000	1.0000000	
-1.4971281	4.1638170	3.2525377	0.0000000	0.0000000	0.0000000	1.0000000	
-1.5463962	4.1600791	3.2455614	0.0000000	0.0000000	0.0000000	1.0000000	
-1.5902358	4.1544611	3.2399501	0.0000000	0.0000000	0.0000000	1.0000000	
-1.6280659	4.1462006	3.2360950	0.0000000	0.0000000	0.0000000	1.0000000	
-1.6634469	4.1334392	3.2339809	0.0000000	0.0000000	0.0000000	1.0000000	
-1.6964107	4.1154781	3.2337335	0.0000000	0.0000000	0.0000000	1.0000000	
-1.7268197	4.0936426	3.2349673	0.0000000	0.0000000	0.0000000	1.0000000	
-1.7550389	4.0696726	3.2371985	0.0000000	0.0000000	0.0000000	1.0000000	
-1.8081082	4.0183782	3.2424330	0.0000000	0.0000000	0.0000000	1.0000000	
-1.8630011	3.9702885	3.2450131	0.0000000	0.0000000	0.0000000	1.0000000	
-1.8929520	3.9499506	3.2440869	0.0000000	0.0000000	0.0000000	1.0000000	
-1.9248825	3.9333094	3.2411610	0.0000000	0.0000000	0.0000000	1.0000000	
-1.9873167	3.9073328	3.2324493	0.0000000	0.0000000	0.0000000	1.0000000	
-2.0502532	3.8856084	3.2209977	0.0000000	0.0000000	0.0000000	1.0000000	
-2.1132253	3.8676108	3.2071901	0.0000000	0.0000000	0.0000000	1.0000000	
-2.1759267	3.8527509	3.1913562	0.0000000	0.0000000	0.0000000	1.0000000	
-2.2381887	3.8404498	3.1737707	0.0000000	0.0000000	0.0000000	1.0000000	

FEDRAT / 40.0000	X	Y	Z	I	J	CARD NO. 000534	TAPE NO. K
-2.2381887	3.8404496	3.2737707	0.0000000	0.0000000	0.0000000	1.0000000	
-2.2375621	3.7981933	3.2859002	0.0000000	0.0000000	0.0000000	1.0000000	
-2.2375621	3.7981933	3.1859002	0.0000000	0.0000000	0.0000000	1.0000000	
-2.1740965	3.8102526	3.2039262	0.0000000	0.0000000	0.0000000	1.0000000	
-2.1104194	3.8248845	3.2200424	0.0000000	0.0000000	0.0000000	1.0000000	

-2.0455027	3.8423298	3.2341413	0.0000000	0.0000000	1.0000000
-1.9827892	3.8628598	3.2406064	0.0000000	0.0000000	1.0000000
-1.9191960	3.8867817	3.2556157	0.0000000	0.0000000	1.0000000
-1.8871100	3.9024252	3.2588901	0.0000000	0.0000000	1.0000000
-1.8572184	3.9226637	3.2600231	0.0000000	0.0000000	1.0000000
-1.8034954	3.9723220	3.2574266	0.0000000	0.0000000	1.0000000
-1.7522552	4.0264461	3.2517842	0.0000000	0.0000000	1.0000000
-1.7246622	4.0521270	3.2493212	0.0000000	0.0000000	1.0000000
-1.6944121	4.0751157	3.2479165	0.0000000	0.0000000	1.0000000
-1.6610306	4.0939780	3.2481082	0.0000000	0.0000000	1.0000000
-1.6246908	4.1072176	3.2503160	0.0000000	0.0000000	1.0000000
-1.5865147	4.1153633	3.2541884	0.0000000	0.0000000	1.0000000
-1.5425380	4.1207448	3.2597263	0.0000000	0.0000000	1.0000000
-1.4932610	4.1241642	3.2665652	0.0000000	0.0000000	1.0000000
-1.3228068	4.1301883	3.2905958	0.0000000	0.0000000	1.0000000
-1.2004522	4.1374763	3.3053911	0.0000000	0.0000000	1.0000000
-1.1355538	4.1439533	3.3112526	0.0000000	0.0000000	1.0000000
-1.0798296	4.1531108	3.3155858	0.0000000	0.0000000	1.0000000
-1.0281182	4.1651836	3.3177451	0.0000000	0.0000000	1.0000000
-0.9755234	4.1799313	3.3190319	0.0000000	0.0000000	1.0000000
-0.8677569	4.2142650	3.3196341	0.0000000	0.0000000	1.0000000
-0.7563232	4.2497171	3.3186888	0.0000000	0.0000000	1.0000000
-0.6990830	4.2658318	3.3180385	0.0000000	0.0000000	1.0000000
-0.6407503	4.2797673	3.3174785	0.0000000	0.0000000	1.0000000
-0.5812969	4.2906823	3.3171579	0.0000000	0.0000000	1.0000000
-0.5207415	4.2977311	3.3172179	0.0000000	0.0000000	1.0000000
-0.4606238	4.3005133	3.3176781	0.0000000	0.0000000	1.0000000
-0.4013707	4.2996986	3.3184096	0.0000000	0.0000000	1.0000000
-0.3430020	4.2960374	3.3192773	0.0000000	0.0000000	1.0000000
-0.2855125	4.2902784	3.3201439	0.0000000	0.0000000	1.0000000
-0.1730802	4.2754362	3.3213131	0.0000000	0.0000000	1.0000000
-0.0638546	4.2610477	3.3207757	0.0000000	0.0000000	1.0000000
-0.0103917	4.2558379	3.3195025	0.0000000	0.0000000	1.0000000
0.0423095	4.2528146	3.3173615	0.0000000	0.0000000	1.0000000
0.0960536	4.2532984	3.3139411	0.0000000	0.0000000	1.0000000
0.1500943	4.2563579	3.3092234	0.0000000	0.0000000	1.0000000
0.2589608	4.2704875	3.2968047	0.0000000	0.0000000	1.0000000
0.3696595	4.2861475	3.2818865	0.0000000	0.0000000	1.0000000

CONT./MDI (41)

CARD NO. 000534

TAPE NO. K

229

	Y	Z	I	J	K
0.4261497	4.2923624	3.2740698	0.0000000	0.0000000	1.0000000
0.4836013	4.2961461	3.2663513	0.0000000	0.0000000	1.0000000
0.5420441	4.2964550	3.2590047	0.0000000	0.0000000	1.0000000
0.6013411	4.2922494	3.2523205	0.0000000	0.0000000	1.0000000
0.6620415	4.2824839	3.2464368	0.0000000	0.0000000	1.0000000
0.7208742	4.2678186	3.2416343	0.0000000	0.0000000	1.0000000
0.7778342	4.2495404	3.2376325	0.0000000	0.0000000	1.0000000
0.8870110	4.2070941	3.2307369	0.0000000	0.0000000	1.0000000
0.9918965	4.1544024	3.2231838	0.0000000	0.0000000	1.0000000
1.0433725	4.1456032	3.2184464	0.0000000	0.0000000	1.0000000
1.0943611	4.1298443	3.2127453	0.0000000	0.0000000	1.0000000
1.148042	4.1181371	3.2058699	0.0000000	0.0000000	1.0000000
1.2016017	4.1102821	3.1963219	0.0000000	0.0000000	1.0000000
1.2606681	4.1055457	3.1850082	0.0000000	0.0000000	1.0000000
1.3209769	4.1033242	3.1723758	0.0000000	0.0000000	1.0000000
1.4404897	4.1040059	3.1450125	0.0000000	0.0000000	1.0000000
1.5503764	4.1070449	3.1180465	0.0000000	0.0000000	1.0000000
1.6001083	4.1074925	3.1059432	0.0000000	0.0000000	1.0000000
1.6445199	4.1060024	3.0953290	0.0000000	0.0000000	1.0000000
1.6853132	4.1014961	3.0862538	0.0000000	0.0000000	1.0000000

1.7209557	4.0950945	3.0786041	0.0000000	0.0000000	1.0000000
1.7564773	4.0880128	3.0707116	0.0000000	0.0000000	1.0000000
1.7918981	4.0801605	3.0625988	0.0000000	0.0000000	1.0000000
1.8272333	4.0714481	3.0542878	0.0000000	0.0000000	1.0000000
1.8624455	4.0517856	3.0458022	0.0000000	0.0000000	1.0000000
1.8975449	4.0371670	3.0371670	0.0000000	0.0000000	1.0000000
1.9324905	4.0284100	3.0284100	0.0000000	0.0000000	1.0000000
1.9672409	4.0195613	3.0195613	0.0000000	0.0000000	1.0000000
2.0017452	4.0118154	3.0106528	0.0000000	0.0000000	1.0000000
2.0359443	3.9960439	3.0017174	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					
DS IS/POINT	Y	Z	I	J	K
2.0359443	3.9960439	3.1017174	0.0000000	0.0000000	1.0000000
DS IS/POINT	Y	Z	I	J	K
2.0278522	3.9108686	3.1325950	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000					
DS IS/MDI (43)	Y	Z	I	J	K
2.0278522	3.9108686	3.0325950	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					
DS IS/MDI (43)	Y	Z	I	J	K
1.9975890	3.9365237	3.0372014	0.0000000	0.0000000	1.0000000
1.9658830	3.9596706	3.0424507	0.0000000	0.0000000	1.0000000
1.9329876	3.9803496	3.0482750	0.0000000	0.0000000	1.0000000
1.8991542	3.9986769	3.0545798	0.0000000	0.0000000	1.0000000
1.8646213	4.0148439	3.0612480	0.0000000	0.0000000	1.0000000
1.8295042	4.0291145	3.0681451	0.0000000	0.0000000	1.0000000
1.7942846	4.0418190	3.0751253	0.0000000	0.0000000	1.0000000
1.7588015	4.0533486	3.0820350	0.0000000	0.0000000	1.0000000
1.7232416	4.0641501	3.0887149	0.0000000	0.0000000	1.0000000
1.6876290	4.0747226	3.0949976	0.0000000	0.0000000	1.0000000
1.6435046	4.0839336	3.1033697	0.0000000	0.0000000	1.0000000
1.5967533	4.0885072	3.1133891	0.0000000	0.0000000	1.0000000
1.5462875	4.0888838	3.1253672	0.0000000	0.0000000	1.0000000
1.4356712	4.0823296	3.1531704	0.0000000	0.0000000	1.0000000
1.3175096	4.0756428	3.1816699	0.0000000	0.0000000	1.0000000
1.2561098	4.0750445	3.1947540	0.0000000	0.0000000	1.0000000
1.1999584	4.0773610	3.2064277	0.0000000	0.0000000	1.0000000
1.1441517	4.0833434	3.2162308	0.0000000	0.0000000	1.0000000
1.0944985	4.0936682	3.2233557	0.0000000	0.0000000	1.0000000
1.0439530	4.1082792	3.2293910	0.0000000	0.0000000	1.0000000
0.9926375	4.1260803	3.2345479	0.0000000	0.0000000	1.0000000
0.8874395	4.1669701	3.2431705	0.0000000	0.0000000	1.0000000
0.7774919	4.2076827	3.2512854	0.0000000	0.0000000	1.0000000
0.7201359	4.2251656	3.2558355	0.0000000	0.0000000	1.0000000

CONT./MDI (43)	X	Y	Z	I	J	K
0.6609693	4.2391706	3.2610562	0.0000000	0.0000000	0.0000000	1.0000000
0.6000054	4.2484968	3.2671602	0.0000000	0.0000000	0.0000000	1.0000000
0.5400038	4.2529066	3.2736883	0.0000000	0.0000000	0.0000000	1.0000000
0.4824837	4.2536607	3.2805400	0.0000000	0.0000000	0.0000000	1.0000000
0.4249514	4.2515231	3.2875502	0.0000000	0.0000000	0.0000000	1.0000000
0.3682514	4.2472599	3.2945567	0.0000000	0.0000000	0.0000000	1.0000000
0.2571237	4.2354089	3.3079123	0.0000000	0.0000000	0.0000000	1.0000000
0.1484898	4.2241580	3.3193034	0.0000000	0.0000000	0.0000000	1.0000000
0.0949310	4.2206211	3.3238488	0.0000000	0.0000000	0.0000000	1.0000000
0.0418368	4.2194586	3.3274030	0.0000000	0.0000000	0.0000000	1.0000000
-0.0108496	4.2211587	3.3298775	0.0000000	0.0000000	0.0000000	1.0000000
-0.0644143	4.2252477	3.3314655	0.0000000	0.0000000	0.0000000	1.0000000
-0.1739696	4.2376382	3.3325747	0.0000000	0.0000000	0.0000000	1.0000000
-0.2865290	4.2507314	3.3318991	0.0000000	0.0000000	0.0000000	1.0000000
-0.3438767	4.2556968	3.3312514	0.0000000	0.0000000	0.0000000	1.0000000
-0.4019115	4.2586213	3.3305869	0.0000000	0.0000000	0.0000000	1.0000000

CONT./MDI (43) CARD NO. 000534 TAPE NO. 237

X	Y	Z	I	J	K
-0.4606123	4.2587617	3.3300469	0.0000000	0.0000000	1.0000000
-0.5199514	4.2553727	3.3297728	0.0000000	0.0000000	1.0000000
-0.5797047	4.2479348	3.3298476	0.0000000	0.0000000	1.0000000
-0.6385457	4.2369776	3.3302003	0.0000000	0.0000000	1.0000000
-0.6965128	4.2233077	3.3306930	0.0000000	0.0000000	1.0000000
-0.7536425	4.2077253	3.3311838	0.0000000	0.0000000	1.0000000
-0.8096619	4.1910251	3.3315274	0.0000000	0.0000000	1.0000000
-0.9201924	4.1574368	3.3311809	0.0000000	0.0000000	1.0000000
-0.9740562	4.1421311	3.3301916	0.0000000	0.0000000	1.0000000
-1.0270038	4.1288779	3.3284580	0.0000000	0.0000000	1.0000000
-1.0789260	4.1184806	3.3258294	0.0000000	0.0000000	1.0000000
-1.1379539	4.1112991	3.3210999	0.0000000	0.0000000	1.0000000
-1.1982907	4.1070254	3.3148149	0.0000000	0.0000000	1.0000000
-1.2592173	4.1049761	3.3073563	0.0000000	0.0000000	1.0000000
-1.3198666	4.1036161	3.2739022	0.0000000	0.0000000	1.0000000
-1.4907716	4.1006037	3.2668954	0.0000000	0.0000000	1.0000000
-1.5410303	4.1006037	3.2613527	0.0000000	0.0000000	1.0000000
-1.5857094	4.0946164	3.2575469	0.0000000	0.0000000	1.0000000
-1.6277508	4.0847802	3.2552939	0.0000000	0.0000000	1.0000000
-1.6680146	4.0690305	3.2553040	0.0000000	0.0000000	1.0000000
-1.7038138	4.0472421	3.2571949	0.0000000	0.0000000	1.0000000
-1.7349317	4.0210530	3.2603845	0.0000000	0.0000000	1.0000000
-1.7619892	3.9920932	3.2641599	0.0000000	0.0000000	1.0000000
-1.7862393	3.9618741	3.2706076	0.0000000	0.0000000	1.0000000
-1.8325916	3.9032197	3.2720780	0.0000000	0.0000000	1.0000000
-1.8574884	3.8772722	3.2717763	0.0000000	0.0000000	1.0000000
-1.8846767	3.8551052	3.2693873	0.0000000	0.0000000	1.0000000
-1.9142697	3.8378487	3.2654963	0.0000000	0.0000000	1.0000000
-1.9452080	3.8240161	3.2555073	0.0000000	0.0000000	1.0000000
-2.0082131	3.8000221	3.2495823	0.0000000	0.0000000	1.0000000
-2.0723384	3.7812907	3.2457523	0.0000000	0.0000000	1.0000000
-2.1370187	3.7682202	3.2177569	0.0000000	0.0000000	1.0000000
-2.1693644	3.7639406	3.2080506	0.0000000	0.0000000	1.0000000
-2.2015931	3.7512517	3.1976275	0.0000000	0.0000000	1.0000000
-2.2336026	3.7602378		0.0000000	0.0000000	1.0000000

CARD NO. 000534 TAPE NO. 238

FEDRAT / 40.0000

DS IS/POINT X Y Z I J K CARD NO. 000534 TAPE NO. 239

-2.2336026	3.7602378	3.2976275	0.0000000	0.0000000	0.0000000	1.0000000
DS IS/POINT	Y	Z	I	J	K	TAPE NO. 240
-2.2245304	3.7168696	3.312196	0.0000000	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000						TAPE NO. 241
DS IS/MDI (45)	Y	Z	I	J	K	TAPE NO. 242
-2.2245304	3.7168696	3.212196	0.0000000	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000						TAPE NO. 243
DS IS/MDI (45)	Y	Z	I	J	K	TAPE NO. 244
-2.1934517	3.7151306	3.2226054	0.0000000	0.0000000	0.0000000	1.0000000
-2.1619657	3.7157321	3.2322174	0.0000000	0.0000000	0.0000000	1.0000000
-2.1302640	3.7184885	3.2410630	0.0000000	0.0000000	0.0000000	1.0000000
-2.0985071	3.7232503	3.2491464	0.0000000	0.0000000	0.0000000	1.0000000
-2.0668330	3.7298880	3.2564701	0.0000000	0.0000000	0.0000000	1.0000000
-2.0353625	3.7352883	3.2630358	0.0000000	0.0000000	0.0000000	1.0000000
-2.0042016	3.7483470	3.2688452	0.0000000	0.0000000	0.0000000	1.0000000
-1.9734435	3.7599645	3.2739005	0.0000000	0.0000000	0.0000000	1.0000000
-1.9431682	3.7730436	3.2782052	0.0000000	0.0000000	0.0000000	1.0000000
-1.9134417	3.7874854	3.2817645	0.0000000	0.0000000	0.0000000	1.0000000
-1.8869998	3.8054779	3.2834793	0.0000000	0.0000000	0.0000000	1.0000000
-1.8626005	3.8286882	3.2832734	0.0000000	0.0000000	0.0000000	1.0000000
-1.8400397	3.8559635	3.2814235	0.0000000	0.0000000	0.0000000	1.0000000
-1.7965317	3.9179953	3.2745499	0.0000000	0.0000000	0.0000000	1.0000000
-1.7724930	3.9501484	3.2707697	0.0000000	0.0000000	0.0000000	1.0000000
-1.7446519	3.9810923	3.2677588	0.0000000	0.0000000	0.0000000	1.0000000
-1.7116943	4.0091892	3.2662279	0.0000000	0.0000000	0.0000000	1.0000000
-1.6730424	4.0327287	3.2668941	0.0000000	0.0000000	0.0000000	1.0000000
-1.6290399	4.0500043	3.2694176	0.0000000	0.0000000	0.0000000	1.0000000
-1.5851026	4.0609442	3.2734012	0.0000000	0.0000000	0.0000000	1.0000000
-1.5376339	4.0674087	3.2789729	0.0000000	0.0000000	0.0000000	1.0000000
-1.4863367	4.0702747	3.2859808	0.0000000	0.0000000	0.0000000	1.0000000
-1.3742982	4.0695056	3.3025362	0.0000000	0.0000000	0.0000000	1.0000000
-1.2548175	4.0671881	3.3195129	0.0000000	0.0000000	0.0000000	1.0000000
-1.1944199	4.0678274	3.3269969	0.0000000	0.0000000	0.0000000	1.0000000
-1.1347001	4.0707771	3.333137	0.0000000	0.0000000	0.0000000	1.0000000
-1.0763793	4.0768332	3.3380891	0.0000000	0.0000000	0.0000000	1.0000000
-1.0243021	4.0863047	3.3405784	0.0000000	0.0000000	0.0000000	1.0000000
-0.9711958	4.0987474	3.3427568	0.0000000	0.0000000	0.0000000	1.0000000
-0.9172096	4.1133387	3.3438703	0.0000000	0.0000000	0.0000000	1.0000000
-0.8069905	4.1459080	3.343900	0.0000000	0.0000000	0.0000000	1.0000000
-0.7508575	4.1622655	3.3440919	0.0000000	0.0000000	0.0000000	1.0000000
-0.6940925	4.1776270	3.3436191	0.0000000	0.0000000	0.0000000	1.0000000
-0.6366509	4.1912041	3.3431182	0.0000000	0.0000000	0.0000000	1.0000000
-0.5785060	4.2022054	3.3427333	0.0000000	0.0000000	0.0000000	1.0000000
-0.5186031	4.2098359	3.3426050	0.0000000	0.0000000	0.0000000	1.0000000
-0.4610240	4.2135869	3.3426057	0.0000000	0.0000000	0.0000000	1.0000000
-0.4029096	4.2139729	3.3432466	0.0000000	0.0000000	0.0000000	1.0000000
-0.3452808	4.2117156	3.3437862	0.0000000	0.0000000	0.0000000	1.0000000
-0.2881676	4.2075329	3.3442835	0.0000000	0.0000000	0.0000000	1.0000000

CONT./MDI	(45)	X	Y	Z	I	J	CARD NO..000534	TAPE NO. K	245
-0.1756606			4.1962428	3.3445942	0.0000000	0.0000000	0.0000000	1.0000000	
-0.0658405			4.1857671	3.3430799	0.0000000	0.0000000	0.0000000	1.0000000	
-0.0121194			4.1825876	3.3413012	0.0000000	0.0000000	0.0000000	1.0000000	
0.0407009			4.1817075	3.3386634	0.0000000	0.0000000	0.0000000	1.0000000	
0.0938226			4.1833152	3.3350622	0.0000000	0.0000000	0.0000000	1.0000000	
0.1475508			4.1867379	3.3306380	0.0000000	0.0000000	0.0000000	1.0000000	
0.2565678			4.1965262	3.3198553	0.0000000	0.0000000	0.0000000	1.0000000	
0.3680539			4.2060785	3.3073602	0.0000000	0.0000000	0.0000000	1.0000000	
0.4247633			4.2092098	3.3007863	0.0000000	0.0000000	0.0000000	1.0000000	
0.4821195			4.2104154	3.2941583	0.0000000	0.0000000	0.0000000	1.0000000	
0.5401156			4.2090737	3.2875956	0.0000000	0.0000000	0.0000000	1.0000000	
0.5987404			4.2045629	3.2812153	0.0000000	0.0000000	0.0000000	1.0000000	
0.6559194			4.1955941	3.2749603	0.0000000	0.0000000	0.0000000	1.0000000	
0.7191832			4.1822274	3.2694393	0.0000000	0.0000000	0.0000000	1.0000000	
0.7768383			4.1656054	3.2644314	0.0000000	0.0000000	0.0000000	1.0000000	
0.8328713			4.1468184	3.2597641	0.0000000	0.0000000	0.0000000	1.0000000	
0.9407411			4.1070706	3.2505829	0.0000000	0.0000000	0.0000000	1.0000000	
0.9928985			4.0882379	3.2456183	0.0000000	0.0000000	0.0000000	1.0000000	
1.0440022			4.0715100	3.2401106	0.0000000	0.0000000	0.0000000	1.0000000	
1.0940333			4.0579543	3.2338527	0.0000000	0.0000000	0.0000000	1.0000000	
1.1428301			4.0486540	3.2266512	0.0000000	0.0000000	0.0000000	1.0000000	
1.1973518			4.0441578	3.2168292	0.0000000	0.0000000	0.0000000	1.0000000	
1.2541313			4.0440709	3.2050092	0.0000000	0.0000000	0.0000000	1.0000000	
1.3121329			4.0474574	3.1916534	0.0000000	0.0000000	0.0000000	1.0000000	
1.4847229			4.0665854	3.174503	0.0000000	0.0000000	0.0000000	1.0000000	
1.5395997			4.0700643	3.1336379	0.0000000	0.0000000	0.0000000	1.0000000	
1.5924159			4.0685366	3.1216396	0.0000000	0.0000000	0.0000000	1.0000000	
1.6429889			4.0607528	3.1118148	0.0000000	0.0000000	0.0000000	1.0000000	
1.6922690			4.0471299	3.1034364	0.0000000	0.0000000	0.0000000	1.0000000	
1.7297839			4.0320639	3.0979425	0.0000000	0.0000000	0.0000000	1.0000000	
1.7671418			4.0162751	3.0922071	0.0000000	0.0000000	0.0000000	1.0000000	
1.8043459			3.9994026	3.0863246	0.0000000	0.0000000	0.0000000	1.0000000	
1.8413555			3.9810944	3.0803799	0.0000000	0.0000000	0.0000000	1.0000000	
1.8789951			3.9610103	3.0744487	0.0000000	0.0000000	0.0000000	1.0000000	
1.9144585			3.9388400	3.0685975	0.0000000	0.0000000	0.0000000	1.0000000	
1.9503102			3.9141989	3.0628837	0.0000000	0.0000000	0.0000000	1.0000000	
1.9854813			3.8868255	3.0573562	0.0000000	0.0000000	0.0000000	1.0000000	
2.0197626			3.8563812	3.0520550	0.0000000	0.0000000	0.0000000	1.0000000	
2.0528944			3.8225546	3.0470117	0.0000000	0.0000000	0.0000000	1.0000000	

FEDRAT /	40.0000	X	Y	Z	I	J	CARD NO..000534	TAPE NO. K	246
DS IS/POINT			3.8225546	3.1470117	0.0000000	0.0000000	0.0000000	1.0000000	
DS IS/POINT	2.0528944								
DS IS/POINT			3.7223234	3.1510145	0.0000000	0.0000000	0.0000000	1.0000000	
DS IS/POINT	2.0997954								
FEDRAT /	12.0000								
DS IS/MDI (47)			3.7223234	3.0510145	0.0000000	0.0000000	0.0000000	1.0000000	
DS IS/MDI	2.0997954								

CARD NO. 000534 TAPE NO. 251

FEDRAT / 40.0000

DS IS/MDI (47) X

Y	Z	I
3.7663767	3.0618472	0.0000000
3.8052650	3.0700267	0.0000000
3.8402933	3.0766073	0.0000000
3.8723053	3.0822380	0.0000000
3.9018430	3.0873281	0.0000000
3.9292417	3.0921466	0.0000000
3.9546807	3.0968634	0.0000000
3.9782011	3.1016912	0.0000000
3.9997008	3.1067173	0.0000000
4.0189154	3.1121266	0.0000000
4.0352843	3.1171865	0.0000000
4.0447278	3.1214646	0.0000000
4.0467283	3.1276666	0.0000000
4.0425649	3.1378139	0.0000000
4.0346523	3.1478114	0.0000000
4.0174906	3.1578399	0.0000000
4.0120445	3.1671735	0.0000000
4.0105423	3.1727421	0.0000000
4.0141755	3.1770282	0.0000000
4.0228709	3.1814814	0.0000000
4.0355221	3.1856888	0.0000000
4.0511234	3.1896414	0.0000000
4.0686844	3.1928154	0.0000000
4.1057579	3.1972074	0.0000000
4.1233089	3.2027106	0.0000000
4.1388892	3.2082155	0.0000000
4.1515068	3.2138401	0.0000000
4.1601644	3.2194687	0.0000000
4.1647130	3.2250923	0.0000000
4.1663066	3.2307300	0.0000000
4.1655100	3.2363783	0.0000000
4.1626869	3.2420176	0.0000000
4.1544151	3.2476150	0.0000000
4.1454069	3.2531822	0.0000000
4.1421210	3.2587147	0.0000000
4.1404108	3.2642102	0.0000000
4.1408848	3.2696721	0.0000000
4.1433864	3.2751280	0.0000000
4.1520252	3.2805928	0.0000000
4.1613387	3.2860655	0.0000000

CARD NO. 000534 TAPE NO. 253

CONT./MDI (47) X

Y	Z	I
4.1646473	3.2916436	0.0000000
4.1661867	3.2962013	0.0000000
4.1652965	3.3007642	0.0000000
4.1613124	3.3053277	0.0000000
4.1536276	3.3098923	0.0000000
4.1426156	3.3144574	0.0000000
4.1290683	3.3190229	0.0000000
4.1137753	3.3235884	0.0000000
4.0975252	3.3281539	0.0000000
4.0835934	3.3327194	0.0000000
4.0653081	3.3372849	0.0000000
4.0509213	3.3418504	0.0000000

-1.0206474	4.0387393	3.3542768	0.000000	0.000000	1.000000
-1.0729508	4.0235592	3.3515372	0.000000	0.000000	1.000000
-1.1307293	4.0238925	3.3469538	0.000000	0.000000	1.000000
-1.1896425	4.0214009	3.3408928	0.000000	0.000000	1.000000
-1.2498223	4.0212411	3.3337146	0.000000	0.000000	1.000000
-1.3687735	4.0244032	3.3174867	0.000000	0.000000	1.000000
-1.4811053	4.0256114	3.3014704	0.000000	0.000000	1.000000
-1.5330935	4.0227404	3.2946214	0.000000	0.000000	1.000000
-1.5817581	4.0160943	3.2890398	0.000000	0.000000	1.000000
-1.6275277	4.0047851	3.2848120	0.000000	0.000000	1.000000
-1.6740949	3.9869505	3.2815089	0.000000	0.000000	1.000000
-1.7151065	3.9627352	3.2802723	0.000000	0.000000	1.000000
-1.7500326	3.9338007	3.2809569	0.000000	0.000000	1.000000
-1.7794773	3.9019963	3.2831681	0.000000	0.000000	1.000000
-1.8044265	3.8689742	3.2862954	0.000000	0.000000	1.000000
-1.8474388	3.8053401	3.2925112	0.000000	0.000000	1.000000
-1.8685120	3.7774231	3.2943842	0.000000	0.000000	1.000000
-1.8906302	3.7537516	3.2948498	0.000000	0.000000	1.000000
-1.9140785	3.7355411	3.2936379	0.000000	0.000000	1.000000
-1.9425976	3.7205069	3.2902643	0.000000	0.000000	1.000000
-1.9717426	3.7078429	3.2861722	0.000000	0.000000	1.000000
-2.0014313	3.6952757	3.2813616	0.000000	0.000000	1.000000
-2.0315662	3.683747	3.2758336	0.000000	0.000000	1.000000
-2.0620350	3.672541	3.2695906	0.000000	0.000000	1.000000
-2.0927095	3.6720350	3.2626359	0.000000	0.000000	1.000000
-2.1234427	3.6678481	3.2549740	0.000000	0.000000	1.000000
-2.1540648	3.6658375	3.2466108	0.000000	0.000000	1.000000
-2.1843767	3.6661656	3.2375533	0.000000	0.000000	1.000000
-2.2141388	3.6690225	3.2278103	0.000000	0.000000	1.000000

192

FEDRAT / 40.0000
DS IS/POINT X
-2.2141388
DS IS/POINT X
-2.2061261
FEDRAT / 12.0000
DS IS/MDI (49)
-2.2061261
FEDRAT / 40.0000
DS IS/MDI (49)
-2.1771482
-2.1476835
-2.1179574
-2.0881130
-2.0583145

CARD NO.000534
CARD NO.000534
CARD NO.000534
CARD NO.000534
CARD NO.000534
CARD NO.000534
CARD NO.000534
CARD NO.000534

TAPE NO. 254
TAPE NO. 255
TAPE NO. 256
TAPE NO. 257
TAPE NO. 258
TAPE NO. 259
TAPE NO. 259
TAPE NO. 260

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000
0.000000

-2.0286995	3.6355517	3.2877335	0.0000000	0.0000000	1.0000000
-1.9933911	3.6451680	3.2930777	0.0000000	0.0000000	1.0000000
-1.9704984	3.6564055	3.2977761	0.0000000	0.0000000	1.0000000
-1.9421166	3.6691760	3.3018203	0.0000000	0.0000000	1.0000000
-1.9143254	3.6833941	3.3052037	0.0000000	0.0000000	1.0000000
-1.8927542	3.7012589	3.3062455	0.0000000	0.0000000	1.0000000
-1.8715072	3.7246913	3.3059346	0.0000000	0.0000000	1.0000000
-1.8502789	3.7524027	3.3045513	0.0000000	0.0000000	1.0000000
-1.8045450	3.8155028	3.3001904	0.0000000	0.0000000	1.0000000
-1.7776810	3.8481601	3.2982323	0.0000000	0.0000000	1.0000000
-1.7485276	3.8795566	3.2971436	0.0000000	0.0000000	1.0000000
-1.7102240	3.9080370	3.2973761	0.0000000	0.0000000	1.0000000
-1.6685008	3.9318490	3.2992233	0.0000000	0.0000000	1.0000000
-1.6218227	3.9492164	3.3028094	0.0000000	0.0000000	1.0000000
-1.5764246	3.9601232	3.3070839	0.0000000	0.0000000	1.0000000
-1.5279456	3.9666377	3.3125330	0.0000000	0.0000000	1.0000000
-1.4761109	3.9696808	3.3190407	0.0000000	0.0000000	1.0000000
-1.4212950	3.9702728	3.3263047	0.0000000	0.0000000	1.0000000
-1.3052980	3.9682109	3.3416466	0.0000000	0.0000000	1.0000000
-1.2456239	3.9674987	3.3489908	0.0000000	0.0000000	1.0000000
-1.1858861	3.9681996	3.3556460	0.0000000	0.0000000	1.0000000
-1.1268501	3.9711629	3.3612705	0.0000000	0.0000000	1.0000000
-1.0691979	3.9772300	3.3655218	0.0000000	0.0000000	1.0000000
-1.0164711	3.9867780	3.3680730	0.0000000	0.0000000	1.0000000
-0.9630724	3.9992797	3.3697240	0.0000000	0.0000000	1.0000000
-0.9091049	4.0139409	3.3706232	0.0000000	0.0000000	1.0000000
-0.7997235	4.0465702	3.3707707	0.0000000	0.0000000	1.0000000
-0.7443785	4.0629546	3.3703239	0.0000000	0.0000000	1.0000000
-0.6866123	4.0763302	3.3697334	0.0000000	0.0000000	1.0000000
-0.6324193	4.0919054	3.3691508	0.0000000	0.0000000	1.0000000
-0.5757856	4.1028878	3.3687258	0.0000000	0.0000000	1.0000000
-0.5186936	4.1104832	3.3686057	0.0000000	0.0000000	1.0000000
-0.4621714	4.1145690	3.3687873	0.0000000	0.0000000	1.0000000
-0.4057200	4.1159413	3.3691248	0.0000000	0.0000000	1.0000000
-0.3493121	4.1151696	3.3694932	0.0000000	0.0000000	1.0000000

CONT./MDI (49)

X	Y	Z	I	J	K
-0.2929755	4.1128204	3.3697676	0.0000000	0.0000000	1.0000000
-0.1808314	4.1056139	3.3695563	0.0000000	0.0000000	1.0000000
-0.0701319	4.0986417	3.3678116	0.0000000	0.0000000	1.0000000
-0.0155904	4.0965312	3.3657493	0.0000000	0.0000000	1.0000000
0.0383259	4.0960004	3.3631751	0.0000000	0.0000000	1.0000000
0.0927652	4.0974408	3.3597286	0.0000000	0.0000000	1.0000000
0.1474820	4.1005448	3.3554646	0.0000000	0.0000000	1.0000000
0.2578852	4.1094083	3.3450097	0.0000000	0.0000000	1.0000000
0.3695638	4.1179302	3.3328557	0.0000000	0.0000000	1.0000000
0.4258812	4.1206104	3.3284664	0.0000000	0.0000000	1.0000000
0.4824521	4.1214629	3.3200410	0.0000000	0.0000000	1.0000000
0.5392640	4.1199076	3.3137069	0.0000000	0.0000000	1.0000000
0.5963766	4.1153632	3.3075893	0.0000000	0.0000000	1.0000000
0.6566044	4.1070313	3.3013426	0.0000000	0.0000000	1.0000000
0.7156076	4.0953081	3.2953907	0.0000000	0.0000000	1.0000000
0.7734039	4.0810281	3.2896473	0.0000000	0.0000000	1.0000000
0.8852885	4.0481430	3.2784217	0.0000000	0.0000000	1.0000000
0.9918438	4.0150929	3.2639059	0.0000000	0.0000000	1.0000000
1.0429114	4.0006120	3.2607852	0.0000000	0.0000000	1.0000000
1.0923646	3.9880205	3.2542762	0.0000000	0.0000000	1.0000000
1.1400834	3.9799328	3.2472599	0.0000000	0.0000000	1.0000000
1.1915725	3.9763796	3.2380950	0.0000000	0.0000000	1.0000000
1.2453054	3.9784199	3.2267720	0.0000000	0.0000000	1.0000000

CARD NO.000534 TAPE NO. 261

FEDRAT /	40.0000	CARD NO. 000534				TAPE NO.	262
DS IS/POINT	X	Y	Z	I	J	K	
DS IS/POINT	2.1573178	3.6217031	3.1427903	0.0000000	0.0000000	1.0000000	263
DS IS/POINT	2.1527886	3.5420187	3.1656757	0.0000000	0.0000000	1.0000000	264
FEDRAT /	12.0000	CARD NO. 000534				TAPE NO.	265
DS IS/MDI (51)	X	Y	Z	I	J	K	
DS IS/MDI	2.1527886	3.5420187	3.0656757	0.0000000	0.0000000	1.0000000	266
FEDRAT /	40.0000	CARD NO. 000534				TAPE NO.	267
DS IS/MDI (51)	X	Y	Z	I	J	K	
DS IS/MDI	2.0576098	3.5939427	3.1068115	0.0000000	0.0000000	1.0000000	268
	2.0071524	3.6403900	3.1180925	0.0000000	0.0000000	1.0000000	
	1.9707873	3.6859463	3.1213145	0.0000000	0.0000000	1.0000000	
	1.9389398	3.7313330	3.1216170	0.0000000	0.0000000	1.0000000	
	1.9076678	3.7764733	3.1208114	0.0000000	0.0000000	1.0000000	
	1.8748434	3.8209058	3.1198171	0.0000000	0.0000000	1.0000000	
	1.8389124	3.8637008	3.1193869	0.0000000	0.0000000	1.0000000	
	1.7984955	3.9031980	3.1204253	0.0000000	0.0000000	1.0000000	
	1.7525105	3.9367759	3.1240756	0.0000000	0.0000000	1.0000000	
	1.7007642	3.9610554	3.1314506	0.0000000	0.0000000	1.0000000	
	1.6387394	3.9752579	3.1435633	0.0000000	0.0000000	1.0000000	
	1.5793573	3.9806336	3.1563226	0.0000000	0.0000000	1.0000000	
	1.5215164	3.9793950	3.1658429	0.0000000	0.0000000	1.0000000	
	1.4645571	3.9736329	3.1839363	0.0000000	0.0000000	1.0000000	
	1.4081298	3.9653084	3.1982276	0.0000000	0.0000000	1.0000000	
	1.2957734	3.9481326	3.2257380	0.0000000	0.0000000	1.0000000	
	1.2423994	3.9427610	3.2380484	0.0000000	0.0000000	1.0000000	

CONT./MDI (51)	X	Y	Z	I	J	K
1.1896823	3.9415461	3.2487391	0.000000	0.000000	0.000000	1.000000
1.1396073	3.9461177	3.2572446	0.000000	0.000000	0.000000	1.000000
1.0916835	3.9534378	3.2640590	0.000000	0.000000	0.000000	1.000000
1.0417510	3.9671384	3.2706343	0.000000	0.000000	0.000000	1.000000
0.9904270	3.9805884	3.2770470	0.000000	0.000000	0.000000	1.000000
0.8826050	4.0101679	3.2855426	0.000000	0.000000	0.000000	1.000000
0.7699515	4.0390583	3.3017197	0.000000	0.000000	0.000000	1.000000
0.7123822	4.0516830	3.3077396	0.000000	0.000000	0.000000	1.000000
0.6541617	4.0622827	3.3137677	0.000000	0.000000	0.000000	1.000000
0.5952567	4.0702610	3.3198677	0.000000	0.000000	0.000000	1.000000
0.5338918	4.0747683	3.3258660	0.000000	0.000000	0.000000	1.000000
0.4826462	4.0759888	3.3322289	0.000000	0.000000	0.000000	1.000000
0.4265490	4.0746002	3.3387371	0.000000	0.000000	0.000000	1.000000
0.3706102	4.0712804	3.3452532	0.000000	0.000000	0.000000	1.000000
0.2591869	4.0615533	3.3576829	0.000000	0.000000	0.000000	1.000000
0.1483028	4.0521977	3.3682655	0.000000	0.000000	0.000000	1.000000
0.0930548	4.0493349	3.3724702	0.000000	0.000000	0.000000	1.000000
0.0379553	4.0485737	3.3757382	0.000000	0.000000	0.000000	1.000000
-0.0171704	4.0496837	3.3781453	0.000000	0.000000	0.000000	1.000000
-0.0725841	4.0517449	3.3799267	0.000000	0.000000	0.000000	1.000000
-0.1842224	4.0572832	3.3818959	0.000000	0.000000	0.000000	1.000000
-0.2961821	4.0622415	3.3822415	0.000000	0.000000	0.000000	1.000000
-0.3519308	4.0635334	3.3820322	0.000000	0.000000	0.000000	1.000000
-0.4073900	4.0534765	3.3817106	0.000000	0.000000	0.000000	1.000000
-0.4625382	4.0616497	3.3813906	0.000000	0.000000	0.000000	1.000000
-0.5174495	4.0576273	3.3811843	0.000000	0.000000	0.000000	1.000000
-0.5735888	4.0502983	3.3812654	0.000000	0.000000	0.000000	1.000000
-0.6294401	4.0393836	3.3817021	0.000000	0.000000	0.000000	1.000000
-0.6849752	4.0256878	3.3823437	0.000000	0.000000	0.000000	1.000000
-0.7401887	4.0100149	3.3830374	0.000000	0.000000	0.000000	1.000000
-0.7950898	3.9931688	3.3836284	0.000000	0.000000	0.000000	1.000000
-0.9040232	3.9581733	3.3838721	0.000000	0.000000	0.000000	1.000000
-0.9580837	3.9430334	3.3832669	0.000000	0.000000	0.000000	1.000000
-1.0118731	3.9301388	3.3818042	0.000000	0.000000	0.000000	1.000000
-1.0653650	3.9194951	3.3795060	0.000000	0.000000	0.000000	1.000000
-1.1236442	3.9121595	3.3756138	0.000000	0.000000	0.000000	1.000000
-1.1831095	3.9076950	3.3704678	0.000000	0.000000	0.000000	1.000000
-1.2431247	3.9053340	3.3643884	0.000000	0.000000	0.000000	1.000000
-1.3029122	3.9043094	3.3576946	0.000000	0.000000	0.000000	1.000000
-1.4183912	3.9031572	3.3437439	0.000000	0.000000	0.000000	1.000000
-1.4723523	3.9014323	3.3371272	0.000000	0.000000	0.000000	1.000000
-1.5227092	3.8978421	3.3311682	0.000000	0.000000	0.000000	1.000000
-1.5688110	3.8915354	3.3261568	0.000000	0.000000	0.000000	1.000000
-1.6103843	3.8816419	3.3223188	0.000000	0.000000	0.000000	1.000000
-1.6529553	3.8658859	3.3191362	0.000000	0.000000	0.000000	1.000000
-1.6923106	3.8439869	3.3172464	0.000000	0.000000	0.000000	1.000000
-1.7262377	3.8175904	3.3164337	0.000000	0.000000	0.000000	1.000000
-1.7608891	3.7683212	3.3164370	0.000000	0.000000	0.000000	1.000000
-1.7906579	3.7576844	3.3169576	0.000000	0.000000	0.000000	1.000000
-1.8435519	3.6960201	3.3182839	0.000000	0.000000	0.000000	1.000000
-1.8676092	3.6717070	3.3184709	0.000000	0.000000	0.000000	1.000000
-1.8905301	3.6455129	3.3179597	0.000000	0.000000	0.000000	1.000000
-1.914182	3.6237778	3.3164363	0.000000	0.000000	0.000000	1.000000
-1.9405740	3.6155791	3.3127960	0.000000	0.000000	0.000000	1.000000
-1.9690160	3.6076833	3.3085360	0.000000	0.000000	0.000000	1.000000
-1.9978047	3.5971077	3.3037299	0.000000	0.000000	0.000000	1.000000
-2.0268043	3.5878690	3.2983922	0.000000	0.000000	0.000000	1.000000
-2.0561479	3.5799863	3.2925384	0.000000	0.000000	0.000000	1.000000

CONT./MDI (51) X Y Z I J K CARD NO. 000534 TAPE NO. 289

AD-A079 894

ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND DOVER--ETC F/8 13/8
MANUFACTURE OF ARMY HELMET MOLDS BY NUMERICAL CONTROL.(U)

NOV 79 D O'CONNOR

UNCLASSIFIED

ARTSD-TR-79003

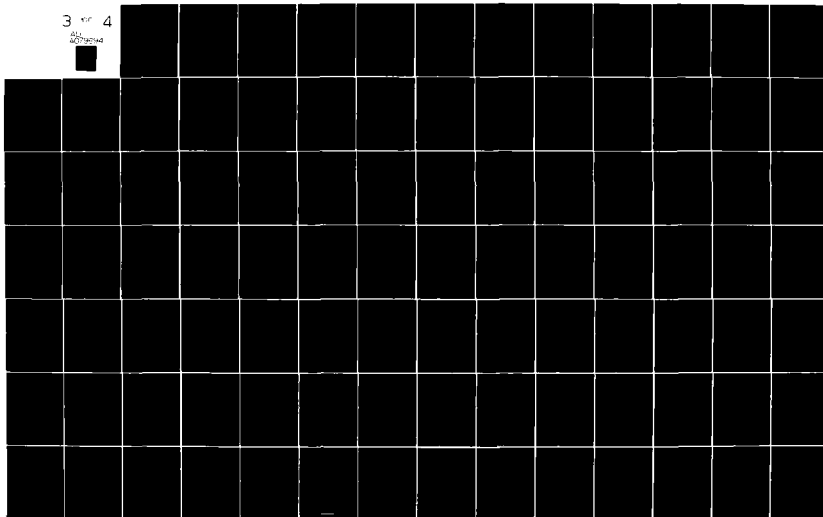
SDIE-AD-E400 372

NL

3 of 4

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

DATE 08/27/2004 BY 60322



-2.0855919	3.5734748	3.2861845	0.5000000	0.0000000	1.0000000
-2.1151295	3.5683480	3.2793460	0.0000000	0.0000000	1.0000000
-2.1446940	3.5646195	3.2720380	0.0000000	0.0000000	1.0000000
-2.1742219	3.5623008	3.2642734	0.0000000	0.0000000	1.0000000
-2.2036547	3.5614026	3.2560623	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO.000534	TAPE NO. 270	
DS IS/POINT					
-2.2036547	Y	Z	0.0000000	1.0000000	
	3.5614026	3.3560623			
DS IS/POINT					
-2.2049202	Y	Z	0.0000000	1.0000000	
	3.5173592	3.3651455			
FEDRAT / 12.0000			CARD NO.000534	TAPE NO. 273	
DS IS/MDI (53)					
-2.2049202	Y	Z	0.0000000	1.0000000	
	3.5173592	3.2651455			
FEDRAT / 40.0000			CARD NO.000534	TAPE NO. 278	
DS IS/MDI (53)					
-2.172506	Y	Z	0.0000000	1.0000000	
-2.1456574	3.5196783	3.2731724			
-2.1161757	3.5231459	3.2807489			
-2.0868474	3.5277653	3.2878723			
-2.0577192	3.5335578	3.2945349			
-2.0288406	3.5405312	3.3007246			
-2.0002620	3.5487087	3.3084260			
-1.9720322	3.5581134	3.3116214			
-1.9441955	3.5687706	3.3162917			
-1.9167879	3.5807078	3.3204161			
-1.8953805	3.5939551	3.3239737			
-1.8707585	3.6100020	3.3254469			
-1.8427697	3.6303179	3.3267280			
-1.7732648	3.6538120	3.3280065			
-1.7434111	3.7057880	3.3305604			
-1.6722591	3.7319774	3.3317898			
-1.6364867	3.7568017	3.3329814			
-1.6002659	3.7791715	3.3343025			
-1.5633319	3.7960222	3.3359895			
-1.5199772	3.8123041	3.3383430			
-1.4712191	3.8221844	3.3414715			
-1.4181037	3.8291515	3.3459311			
-1.3029487	3.8338665	3.3514104			
-1.2429052	3.8370701	3.3575928			
-1.1824464	3.8415048	3.3707978			
-1.1223503	3.8441159	3.3771900			
-1.0631716	3.8478944	3.3830267			
-1.0089260	3.8535161	3.3880018			
	3.8616513	3.3918132			
	3.8727557	3.3940923			

CONT./MDI (53)	X	Y	Z	I	J	K	TAPE NO. 277
-0.9545875	3.0865094	3.3955017	0.0000000	0.0000000	0.0000000	1.0000000	
-0.9001706	3.5021904	3.3961857	0.0000000	0.0000000	0.0000000	1.0000000	
-0.7911493	3.9364397	3.3959533	0.0000000	0.0000000	0.0000000	1.0000000	
-0.7365540	3.9535576	3.3953243	0.0000000	0.0000000	0.0000000	1.0000000	
-0.6818925	3.9697032	3.3945441	0.0000000	0.0000000	0.0000000	1.0000000	
-0.6271416	3.9841499	3.3937552	0.0000000	0.0000000	0.0000000	1.0000000	
-0.5722612	3.9961716	3.3930983	0.0000000	0.0000000	0.0000000	1.0000000	
-0.5171914	4.0050417	3.3927123	0.0000000	0.0000000	0.0000000	1.0000000	
-0.4637584	4.0107221	3.3926225	0.0000000	0.0000000	0.0000000	1.0000000	
-0.4096474	4.0140033	3.3927609	0.0000000	0.0000000	0.0000000	1.0000000	
-0.3548744	4.0153685	3.3929820	0.0000000	0.0000000	0.0000000	1.0000000	
-0.2995140	4.0152925	3.3931421	0.0000000	0.0000000	0.0000000	1.0000000	
-0.1875401	4.0125530	3.3927341	0.0000000	0.0000000	0.0000000	1.0000000	
-0.0749326	4.0096001	3.3905492	0.0000000	0.0000000	0.0000000	1.0000000	
-0.0187923	4.0089462	3.3885307	0.0000000	0.0000000	0.0000000	1.0000000	
0.0372761	4.0093947	3.3857728	0.0000000	0.0000000	0.0000000	1.0000000	
0.0926239	4.0113660	3.3822251	0.0000000	0.0000000	0.0000000	1.0000000	
0.1480708	4.0146479	3.3779249	0.0000000	0.0000000	0.0000000	1.0000000	
0.2594526	4.0229892	3.3675692	0.0000000	0.0000000	0.0000000	1.0000000	
0.3713418	4.0301581	3.3557111	0.0000000	0.0000000	0.0000000	1.0000000	
0.4273240	4.0319835	3.3495404	0.0000000	0.0000000	0.0000000	1.0000000	
0.4522369	4.0319321	3.3433851	0.0000000	0.0000000	0.0000000	1.0000000	
0.5390263	4.0294730	3.3373792	0.0000000	0.0000000	0.0000000	1.0000000	
0.5946667	4.0240711	3.3316555	0.0000000	0.0000000	0.0000000	1.0000000	
0.6522264	4.0147692	3.3260837	0.0000000	0.0000000	0.0000000	1.0000000	
0.7089273	4.0017350	3.3209529	0.0000000	0.0000000	0.0000000	1.0000000	
0.7648078	3.9858893	3.3161156	0.0000000	0.0000000	0.0000000	1.0000000	
0.8742696	3.9494207	3.3067093	0.0000000	0.0000000	0.0000000	1.0000000	
0.9808691	3.9126364	3.2966148	0.0000000	0.0000000	0.0000000	1.0000000	
1.0331238	3.8963864	3.2909152	0.0000000	0.0000000	0.0000000	1.0000000	
1.0846612	3.8827684	3.2845721	0.0000000	0.0000000	0.0000000	1.0000000	
1.1354378	3.8726868	3.2774318	0.0000000	0.0000000	0.0000000	1.0000000	
1.1861296	3.8679529	3.2685545	0.0000000	0.0000000	0.0000000	1.0000000	
1.2426256	3.8687769	3.2578601	0.0000000	0.0000000	0.0000000	1.0000000	
1.2981591	3.8735310	3.2458601	0.0000000	0.0000000	0.0000000	1.0000000	
1.401519	3.8682208	3.2384408	0.0000000	0.0000000	0.0000000	1.0000000	
1.4658225	3.8947371	3.2067402	0.0000000	0.0000000	0.0000000	1.0000000	
1.5208933	3.8983404	3.1941780	0.0000000	0.0000000	0.0000000	1.0000000	
1.5751357	3.8972423	3.1825783	0.0000000	0.0000000	0.0000000	1.0000000	
1.6283476	3.8971173	3.1723067	0.0000000	0.0000000	0.0000000	1.0000000	
1.6804380	3.8741926	3.1655971	0.0000000	0.0000000	0.0000000	1.0000000	
1.7284388	3.8511885	3.1569545	0.0000000	0.0000000	0.0000000	1.0000000	
1.7735221	3.8224545	3.1517594	0.0000000	0.0000000	0.0000000	1.0000000	
1.8155040	3.7888520	3.1473327	0.0000000	0.0000000	0.0000000	1.0000000	
1.8543378	3.7512201	3.1453444	0.0000000	0.0000000	0.0000000	1.0000000	
1.8901373	3.7103571	3.1438059	0.0000000	0.0000000	0.0000000	1.0000000	
1.9232583	3.6670037	3.1430394	0.0000000	0.0000000	0.0000000	1.0000000	
1.9545236	3.6218164	3.1423585	0.0000000	0.0000000	0.0000000	1.0000000	
1.9958617	3.5752957	3.1415234	0.0000000	0.0000000	0.0000000	1.0000000	
2.0224368	3.5275201	3.1374245	0.0000000	0.0000000	0.0000000	1.0000000	
2.0825490	3.4765950	3.1205266	0.0000000	0.0000000	0.0000000	1.0000000	

FEDRAT / 40.0000

DS 1S/POINT X

CARD NO. 000534 TAPE NO. 278

CARD NO. 000534 TAPE NO. 279

DS IS/POINT	2.0935490	3.4766950	3.2205266	0.0000000	0.0000000	1.0000000
	X	Y	Z	I	J	K
	2.0565339	3.4104626	3.2457053	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000						
DS IS/MDI (55)	2.0565339	3.4104626	3.1457053	0.0000000	0.0000000	1.0000000
	X	Y	Z	I	J	K
	2.0565339	3.4104626	3.1457053	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000						
DS IS/MDI (55)	2.0039704	3.4627808	3.1577697	0.0000000	0.0000000	1.0000000
	X	Y	Z	I	J	K
	1.9715075	3.5119255	3.1599399	0.0000000	0.0000000	1.0000000
	1.9417407	3.5592497	3.1604124	0.0000000	0.0000000	1.0000000
	1.9106836	3.6045708	3.1609402	0.0000000	0.0000000	1.0000000
	1.8772013	3.6474432	3.1620922	0.0000000	0.0000000	1.0000000
	1.8410445	3.6873895	3.1640910	0.0000000	0.0000000	1.0000000
	1.8022657	3.7239862	3.1670337	0.0000000	0.0000000	1.0000000
	1.7611107	3.7564378	3.1709685	0.0000000	0.0000000	1.0000000
	1.7177221	3.7845537	3.1759251	0.0000000	0.0000000	1.0000000
	1.6732804	3.8077661	3.1819285	0.0000000	0.0000000	1.0000000
	1.6255118	3.8239697	3.1897045	0.0000000	0.0000000	1.0000000
	1.5723945	3.8321673	3.1993002	0.0000000	0.0000000	1.0000000
	1.5194371	3.8338810	3.2103508	0.0000000	0.0000000	1.0000000
	1.4651094	3.8307799	3.2224488	0.0000000	0.0000000	1.0000000
	1.4098162	3.8246163	3.2351453	0.0000000	0.0000000	1.0000000
	1.2978390	3.8101839	3.2606054	0.0000000	0.0000000	1.0000000
	1.2419757	3.8053982	3.2724723	0.0000000	0.0000000	1.0000000
	1.1868568	3.8045070	3.2831560	0.0000000	0.0000000	1.0000000
	1.1331215	3.8092034	3.2921743	0.0000000	0.0000000	1.0000000
	1.0814410	3.8196218	3.2994162	0.0000000	0.0000000	1.0000000
	1.0293944	3.8341643	3.3056899	0.0000000	0.0000000	1.0000000
	0.9770411	3.8517958	3.3111678	0.0000000	0.0000000	1.0000000
	0.8712379	3.8922020	3.3204912	0.0000000	0.0000000	1.0000000
	0.7632182	3.9325470	3.3289786	0.0000000	0.0000000	1.0000000
	0.7078961	3.9500630	3.3334213	0.0000000	0.0000000	1.0000000
	0.6518084	3.9643745	3.3382608	0.0000000	0.0000000	1.0000000
	0.5946145	3.9743880	3.3436780	0.0000000	0.0000000	1.0000000
	0.5397886	3.9801968	3.3492699	0.0000000	0.0000000	1.0000000
	0.4845705	3.9831399	3.3551824	0.0000000	0.0000000	1.0000000
	0.4289884	3.9837076	3.3612796	0.0000000	0.0000000	1.0000000
	0.3731083	3.9823830	3.3674232	0.0000000	0.0000000	1.0000000
	0.2608094	3.9759558	3.3793093	0.0000000	0.0000000	1.0000000
	0.1483182	3.9076258	3.3896009	0.0000000	0.0000000	1.0000000
	0.0920705	3.9423530	3.3942124	0.0000000	0.0000000	1.0000000
	0.0357366	3.9612076	3.3978993	0.0000000	0.0000000	1.0000000
	-0.0212317	3.9598554	3.4007537	0.0000000	0.0000000	1.0000000
	-0.0781734	3.9596702	3.4027784	0.0000000	0.0000000	1.0000000
	-0.1916067	3.9611735	3.4047942	0.0000000	0.0000000	1.0000000
	-0.3034948	3.9623152	3.4049479	0.0000000	0.0000000	1.0000000
	-0.3584632	3.9616050	3.4046629	0.0000000	0.0000000	1.0000000

CONT./MDI (55)	X	Y	Z	I	J	K	CARD NO. 000534	TAPE NO. 285
-0.4126626		3.9594051	3.4043959	0.0000000	0.0000000	1.0000000		
-0.4659407		3.9552185	3.4042463	0.0000000	0.0000000	1.0000000		
-0.5182653		3.9485448	3.4043938	0.0000000	0.0000000	1.0000000		
-0.5723887		3.9387658	3.4048535	0.0000000	0.0000000	1.0000000		
-0.6264347		3.9260745	3.4055573	0.0000000	0.0000000	1.0000000		
-0.6806576		3.9111514	3.4063723	0.0000000	0.0000000	1.0000000		
-0.7892917		3.8773445	3.4077813	0.0000000	0.0000000	1.0000000		
-0.8482637		3.8420263	3.4072571	0.0000000	0.0000000	1.0000000		
-0.9530040		3.8270135	3.4072571	0.0000000	0.0000000	1.0000000		
-1.0077036		3.8130760	3.4058105	0.0000000	0.0000000	1.0000000		
-1.0624357		3.8016942	3.4035126	0.0000000	0.0000000	1.0000000		
-1.1223240		3.7931583	3.3986603	0.0000000	0.0000000	1.0000000		
-1.1829128		3.7870447	3.3946557	0.0000000	0.0000000	1.0000000		
-1.2437011		3.7827294	3.3888005	0.0000000	0.0000000	1.0000000		
-1.3039273		3.7795777	3.3824012	0.0000000	0.0000000	1.0000000		
-1.4189553		3.7741891	3.3692277	0.0000000	0.0000000	1.0000000		
-1.4716795		3.7706518	3.3630968	0.0000000	0.0000000	1.0000000		
-1.5197156		3.7656818	3.3577093	0.0000000	0.0000000	1.0000000		
-1.5618398		3.7566283	3.3534056	0.0000000	0.0000000	1.0000000		
-1.5966566		3.7488487	3.3505456	0.0000000	0.0000000	1.0000000		
-1.6282965		3.7439945	3.3488393	0.0000000	0.0000000	1.0000000		
-1.6601570		3.7168583	3.3478157	0.0000000	0.0000000	1.0000000		
-1.6929133		3.6954496	3.3471301	0.0000000	0.0000000	1.0000000		
-1.7267453		3.6717863	3.3464758	0.0000000	0.0000000	1.0000000		
-1.7613176		3.6468889	3.3456139	0.0000000	0.0000000	1.0000000		
-1.8292735		3.5974665	3.3428467	0.0000000	0.0000000	1.0000000		
-1.8605705		3.5749587	3.3409926	0.0000000	0.0000000	1.0000000		
-1.8890848		3.5552365	3.3388968	0.0000000	0.0000000	1.0000000		
-1.9148884		3.5392020	3.3384612	0.0000000	0.0000000	1.0000000		
-1.9427379		3.5258241	3.3328317	0.0000000	0.0000000	1.0000000		
-1.9709648		3.5136824	3.3286470	0.0000000	0.0000000	1.0000000		
-1.9996152		3.5027394	3.3239231	0.0000000	0.0000000	1.0000000		
-2.0286057		3.4929623	3.3186747	0.0000000	0.0000000	1.0000000		
-2.0579259		3.4843225	3.3129149	0.0000000	0.0000000	1.0000000		
-2.0875419		3.4767954	3.3066550	0.0000000	0.0000000	1.0000000		
-2.1174177		3.4703603	3.2999038	0.0000000	0.0000000	1.0000000		
-2.1475178		3.4650009	3.2926670	0.0000000	0.0000000	1.0000000		
-2.1778091		3.4607055	3.2849468	0.0000000	0.0000000	1.0000000		
-2.2082622		3.4574672	3.2767404	0.0000000	0.0000000	1.0000000		

FEDRAT / 40.0000	X	Y	Z	I	J	K	CARD NO. 000534	TAPE NO. 286
DS IS/POINT								
-2.2082622		3.4574672	3.2767404	0.0000000	0.0000000	1.0000000		
DS IS/POINT								
-2.2118316		3.3864798	3.3895640	0.0000000	0.0000000	1.0000000		
FEDRAT / 12.0000								
DS IS/MDI (57)								
-2.2118316		3.3864798	3.2895640	0.0000000	0.0000000	1.0000000		

CARD NO. 000534 TAPE NO. 291

FEDRAT / 40.0000
OS IS/MDI (57)

CARD NO. 000534 TAPE NO. 292

	X	Y	Z	I	J	K
-2.1803790	3.3902202	3.2981458	0.0000000	0.0000000	0.0000000	1.0000000
-2.1490992	3.3950305	3.3062023	0.0000000	0.0000000	0.0000000	1.0000000
-2.1180167	3.4009076	3.3137400	0.0000000	0.0000000	0.0000000	1.0000000
-2.0871575	3.4078515	3.3207622	0.0000000	0.0000000	0.0000000	1.0000000
-2.0565463	3.4158648	3.3272691	0.0000000	0.0000000	0.0000000	1.0000000
-2.0262046	3.4249536	3.3332588	0.0000000	0.0000000	0.0000000	1.0000000
-1.9961182	3.4351269	3.3387279	0.0000000	0.0000000	0.0000000	1.0000000
-1.9663847	3.4463977	3.3436712	0.0000000	0.0000000	0.0000000	1.0000000
-1.9369096	3.4587838	3.3480822	0.0000000	0.0000000	0.0000000	1.0000000
-1.9077031	3.4723087	3.3519531	0.0000000	0.0000000	0.0000000	1.0000000
-1.8786486	3.4868700	3.3555228	0.0000000	0.0000000	0.0000000	1.0000000
-1.8493064	3.5020492	3.3580193	0.0000000	0.0000000	0.0000000	1.0000000
-1.8099697	3.5321429	3.3596103	0.0000000	0.0000000	0.0000000	1.0000000
-1.7442968	3.5827023	3.3606557	0.0000000	0.0000000	0.0000000	1.0000000
-1.7126760	3.6081632	3.3604933	0.0000000	0.0000000	0.0000000	1.0000000
-1.6822264	3.6321799	3.3602161	0.0000000	0.0000000	0.0000000	1.0000000
-1.6528582	3.6536840	3.3601283	0.0000000	0.0000000	0.0000000	1.0000000
-1.6241762	3.6721530	3.3605520	0.0000000	0.0000000	0.0000000	1.0000000
-1.5955151	3.6859323	3.3618205	0.0000000	0.0000000	0.0000000	1.0000000
-1.5616748	3.6955937	3.3645706	0.0000000	0.0000000	0.0000000	1.0000000
-1.5201079	3.7025963	3.3688291	0.0000000	0.0000000	0.0000000	1.0000000
-1.4724025	3.7075693	3.3742115	0.0000000	0.0000000	0.0000000	1.0000000
-1.4193640	3.7111534	3.3803649	0.0000000	0.0000000	0.0000000	1.0000000
-1.3048056	3.7167345	3.3936410	0.0000000	0.0000000	0.0000000	1.0000000
-1.2435588	3.7200203	3.4001107	0.0000000	0.0000000	0.0000000	1.0000000
-1.1835577	3.7244307	3.4060429	0.0000000	0.0000000	0.0000000	1.0000000
-1.1226353	3.7307794	3.4111251	0.0000000	0.0000000	0.0000000	1.0000000
-1.0622096	3.7395039	3.4150470	0.0000000	0.0000000	0.0000000	1.0000000
-1.0071508	3.7510806	3.4173953	0.0000000	0.0000000	0.0000000	1.0000000
-0.9521664	3.7651860	3.4188653	0.0000000	0.0000000	0.0000000	1.0000000
-0.8973300	3.7811664	3.4196014	0.0000000	0.0000000	0.0000000	1.0000000
-0.7882282	3.8160415	3.4194447	0.0000000	0.0000000	0.0000000	1.0000000
-0.6800745	3.8503584	3.4180627	0.0000000	0.0000000	0.0000000	1.0000000
-0.6283836	3.8656264	3.4172648	0.0000000	0.0000000	0.0000000	1.0000000
-0.5729287	3.8787405	3.4165818	0.0000000	0.0000000	0.0000000	1.0000000
-0.5196572	3.8890326	3.4161513	0.0000000	0.0000000	0.0000000	1.0000000
-0.4682222	3.8962233	3.4160581	0.0000000	0.0000000	0.0000000	1.0000000
-0.4156536	3.9009573	3.4163084	0.0000000	0.0000000	0.0000000	1.0000000
-0.3620161	3.9036472	3.4167369	0.0000000	0.0000000	0.0000000	1.0000000
-0.3074003	3.9048197	3.4171766	0.0000000	0.0000000	0.0000000	1.0000000

CARD NO. 000534 TAPE NO. 293

CONT./MDI (57)

	X	Y	Z	I	J	K
-0.1956915	3.9045441	3.4174292	0.0000000	0.0000000	0.0000000	1.0000000
-0.0815431	3.9043384	3.4157962	0.0000000	0.0000000	0.0000000	1.0000000
-0.0238622	3.9044047	3.4139672	0.0000000	0.0000000	0.0000000	1.0000000
0.0341079	3.9061241	3.4111232	0.0000000	0.0000000	0.0000000	1.0000000
0.0916690	3.9092207	3.4074123	0.0000000	0.0000000	0.0000000	1.0000000
0.1483969	3.9133059	3.4029031	0.0000000	0.0000000	0.0000000	1.0000000
0.2625612	3.9224310	3.3920825	0.0000000	0.0000000	0.0000000	1.0000000
0.3750633	3.9295378	3.3798318	0.0000000	0.0000000	0.0000000	1.0000000
0.4307365	3.9311045	3.3735106	0.0000000	0.0000000	0.0000000	1.0000000
0.4859310	3.9300982	3.3673414	0.0000000	0.0000000	0.0000000	1.0000000
0.5405859	3.9278061	3.3613879	0.0000000	0.0000000	0.0000000	1.0000000

0.5948601	3.9219259	3.3558334	0.0000000	0.0000000	1.0000000
0.6519357	3.9115987	3.3503823	0.0000000	0.0000000	1.0000000
0.7081298	3.8967195	3.3455303	0.0000000	0.0000000	1.0000000
0.7632493	3.8784579	3.3410946	0.0000000	0.0000000	1.0000000
0.8708643	3.8633762	3.3326607	0.0000000	0.0000000	1.0000000
0.9761855	3.7943514	3.3234321	0.0000000	0.0000000	1.0000000
1.0283558	3.7761095	3.3179495	0.0000000	0.0000000	1.0000000
1.0802739	3.7611681	3.3116953	0.0000000	0.0000000	1.0000000
1.1318734	3.7506217	3.3044645	0.0000000	0.0000000	1.0000000
1.1858203	3.7460356	3.2954376	0.0000000	0.0000000	1.0000000
1.2403640	3.7471794	3.2848032	0.0000000	0.0000000	1.0000000
1.2967281	3.7522928	3.2730309	0.0000000	0.0000000	1.0000000
1.4083567	3.7673650	3.2478369	0.0000000	0.0000000	1.0000000
1.4634924	3.7737448	3.2352778	0.0000000	0.0000000	1.0000000
1.5175247	3.7769466	3.2233150	0.0000000	0.0000000	1.0000000
1.5703676	3.7751876	3.2123732	0.0000000	0.0000000	1.0000000
1.6212263	3.7667552	3.2028681	0.0000000	0.0000000	1.0000000
1.6696348	3.7500514	3.1951933	0.0000000	0.0000000	1.0000000
1.7142640	3.7352721	3.1894141	0.0000000	0.0000000	1.0000000
1.7564404	3.6977381	3.1846520	0.0000000	0.0000000	1.0000000
1.7973461	3.6648851	3.1808799	0.0000000	0.0000000	1.0000000
1.8355137	3.6281638	3.1780610	0.0000000	0.0000000	1.0000000
1.8711870	3.5880279	3.1761333	0.0000000	0.0000000	1.0000000
1.9043770	3.5449268	3.1749714	0.0000000	0.0000000	1.0000000
1.9355421	3.4992911	3.1742849	0.0000000	0.0000000	1.0000000
1.9664184	3.4514737	3.1732977	0.0000000	0.0000000	1.0000000
2.0032791	3.4014569	3.1693537	0.0000000	0.0000000	1.0000000
2.0787631	3.3463876	3.1463306	0.0000000	0.0000000	1.0000000

FEDRAT /	40.0000	DS IS/POINT	X	Y	Z	CALL CARD NO. 000536	TAPE NO. 296	CARD NO. 000534	TAPE NO. 294
		2.0787631	X	3.3463876	3.2463306	0.0000000	1.0000000	0.0000000	1.0000000

FEDRAT /	40.0000	DS IS/POINT	X	Y	Z	CARD NO. 000538	TAPE NO. 298	CARD NO. 000538	TAPE NO. 298
		1.9708191	X	3.3943721	3.2822111	0.0000000	1.0000000	0.0000000	1.0000000

FEDRAT /	12.0000	DS IS/MDI (59)	X	Y	Z	CARD NO. 000538	TAPE NO. 301	CARD NO. 000538	TAPE NO. 301
		1.9708191	X	3.3943721	3.1822111	0.0000000	1.0000000	0.0000000	1.0000000

FEDRAT /	40.0000	DS IS/MDI (59)	X	Y	Z	CARD NO. 000538	TAPE NO. 303	CARD NO. 000538	TAPE NO. 303
			X						

-1.6247432	3.613914	3.3708163	0.0000000	0.0000000	1.0000000
-1.6521155	3.594269	3.3708302	0.0000000	0.0000000	1.0000000
-1.6787049	3.5705018	3.3716308	0.0000000	0.0000000	1.0000000
-1.7050007	3.5438343	3.3730181	0.0000000	0.0000000	1.0000000
-1.7315008	3.5155308	3.3744570	0.0000000	0.0000000	1.0000000
-1.7566083	3.4591312	3.3760724	0.0000000	0.0000000	1.0000000
-1.8219493	3.4335928	3.3753645	0.0000000	0.0000000	1.0000000
-1.8570012	3.4115620	3.3730717	0.0000000	0.0000000	1.0000000
-1.8945543	3.3943454	3.3688161	0.0000000	0.0000000	1.0000000
-1.9258422	3.3807207	3.3646198	0.0000000	0.0000000	1.0000000
-1.9572717	3.3681346	3.3598840	0.0000000	0.0000000	1.0000000
-1.9887630	3.3565946	3.3546121	0.0000000	0.0000000	1.0000000
-2.0204520	3.3461126	3.3488054	0.0000000	0.0000000	1.0000000
-2.0522960	3.3367040	3.3424638	0.0000000	0.0000000	1.0000000
-2.0843187	3.3283861	3.3355859	0.0000000	0.0000000	1.0000000
-2.1165133	3.3211780	3.3281691	0.0000000	0.0000000	1.0000000
-2.1488660	3.3150997	3.3202093	0.0000000	0.0000000	1.0000000
-2.1813583	3.3101722	3.3117007	0.0000000	0.0000000	1.0000000
-2.2139700	3.3064173	3.3026346	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO. 000538	TAPE NO. 305	
DS IS/POINT X					
-2.2139700	3.3064173	3.4026346	0.0000000	0.0000000	1.0000000
DS IS/POINT X					
-2.2134094	3.2163609	3.4148012	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000			CARD NO. 000538	TAPE NO. 306	
DS IS/MDI (61)					
-2.2134094	3.2163609	3.3148012	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO. 000538	TAPE NO. 307	
DS IS/MDI (61)					
-2.1792735	3.2195934	3.3244238	0.0000000	0.0000000	1.0000000
-2.1451630	3.2241860	3.3334620	0.0000000	0.0000000	1.0000000
-2.1105556	3.2300917	3.3419232	0.0000000	0.0000000	1.0000000
-2.0770831	3.2372591	3.3498130	0.0000000	0.0000000	1.0000000
-2.0431289	3.2456385	3.3571351	0.0000000	0.0000000	1.0000000
-2.0092246	3.2551777	3.3638919	0.0000000	0.0000000	1.0000000
-1.9753455	3.2658229	3.3700844	0.0000000	0.0000000	1.0000000
-1.9414450	3.2775184	3.3757118	0.0000000	0.0000000	1.0000000
-1.9074480	3.2902072	3.3807709	0.0000000	0.0000000	1.0000000
-1.8732415	3.3038316	3.3852542	0.0000000	0.0000000	1.0000000
-1.8322796	3.3221031	3.3895355	0.0000000	0.0000000	1.0000000
-1.7974806	3.3472735	3.3912400	0.0000000	0.0000000	1.0000000
-1.7691892	3.3776145	3.3909132	0.0000000	0.0000000	1.0000000
-1.7265354	3.4468014	3.3863170	0.0000000	0.0000000	1.0000000
-1.7073917	3.4820662	3.3831953	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO. 000538	TAPE NO. 311	
DS IS/MDI (61)					

CONT./MDI	(61)	X	Y	Z	I	J	CARD NO. 000538	TAPE NO. K
-1.6953770		3.7776396	3.7776396	3.4415279	0.0000000	0.0000000	0.0000000	1.0000000
-1.6617403		3.7772009	3.7772009	3.4401053	0.0000000	0.0000000	0.0000000	1.0000000
-1.6327522		0.0333715	3.7777998	3.4376986	0.0000000	0.0000000	0.0000000	1.0000000
-1.5996361		0.0324369	3.7804518	3.4341791	0.0000000	0.0000000	0.0000000	1.0000000
-1.5634118		0.1506809	3.7853666	3.4296014	0.0000000	0.0000000	0.0000000	1.0000000
-1.5204563		0.2503355	3.7988326	3.4181196	0.0000000	0.0000000	0.0000000	1.0000000
-1.4720056		0.3705639	3.8121869	3.4048727	0.0000000	0.0000000	0.0000000	1.0000000
-1.3628681		0.4315178	3.8168129	3.3980737	0.0000000	0.0000000	0.0000000	1.0000000
-1.2439432		0.4860707	3.8190621	3.3914187	0.0000000	0.0000000	0.0000000	1.0000000
-1.1830461		0.5401172	3.8181650	3.3851108	0.0000000	0.0000000	0.0000000	1.0000000
-1.1221959		0.5935792	3.8133547	3.3793631	0.0000000	0.0000000	0.0000000	1.0000000
-1.0619017		0.6506446	3.8037529	3.3736836	0.0000000	0.0000000	0.0000000	1.0000000
-1.0062733		0.7069944	3.7895330	3.3684089	0.0000000	0.0000000	0.0000000	1.0000000
-0.9503651		0.7626188	3.7728507	3.3634066	0.0000000	0.0000000	0.0000000	1.0000000
-0.8957213		0.8175199	3.7535402	3.3585349	0.0000000	0.0000000	0.0000000	1.0000000
-0.8436340		0.8725169	3.7123089	3.3486372	0.0000000	0.0000000	0.0000000	1.0000000
-0.7847460		0.9251689	3.6934645	3.3433117	0.0000000	0.0000000	0.0000000	1.0000000
-0.7251784		0.9779228	3.6760152	3.3375407	0.0000000	0.0000000	0.0000000	1.0000000
-0.6652184		1.0292518	3.6615954	3.3311774	0.0000000	0.0000000	0.0000000	1.0000000
-0.6052375		1.0812318	3.6512397	3.3240763	0.0000000	0.0000000	0.0000000	1.0000000
-0.5452125		1.1317218	3.6468629	3.3153163	0.0000000	0.0000000	0.0000000	1.0000000
-0.4858959		1.1842341	3.6485809	3.3049247	0.0000000	0.0000000	0.0000000	1.0000000
-0.4264281		1.2303217	3.6454705	3.2933515	0.0000000	0.0000000	0.0000000	1.0000000
-0.3657580		1.2732247	3.6729428	3.2883504	0.0000000	0.0000000	0.0000000	1.0000000
-0.3119260		1.3172181	3.6798344	3.2857261	0.0000000	0.0000000	0.0000000	1.0000000
-0.2609365		1.3637872	3.6845084	3.2435287	0.0000000	0.0000000	0.0000000	1.0000000
		1.4137872	3.6841772	3.2311144	0.0000000	0.0000000	0.0000000	1.0000000
		1.4654565	3.6703372	3.2218068	0.0000000	0.0000000	0.0000000	1.0000000
		1.5178565	3.6668743	3.2128764	0.0000000	0.0000000	0.0000000	1.0000000
		1.5708169	3.6361939	3.2061608	0.0000000	0.0000000	0.0000000	1.0000000
		1.6212169	3.6049088	3.2010685	0.0000000	0.0000000	0.0000000	1.0000000
		1.6739520	3.5682339	3.1974778	0.0000000	0.0000000	0.0000000	1.0000000
		1.7221229	3.5273295	3.1951752	0.0000000	0.0000000	0.0000000	1.0000000
		1.7670142						
		1.8062884						
		1.8459542						

1.8803799	3.4832482	3.1938570	0.0000000	0.0000000	1.0000000
1.9124669	3.4369132	3.1930629	0.0000000	0.0000000	1.0000000
1.9442677	3.3893898	3.1919239	0.0000000	0.0000000	1.0000000
1.9811454	3.3402501	3.1882740	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO.000538	TAPE NO. 313	
DS IS/POINT X					
1.9811454	3.3402501	3.2882740	0.0000000	0.0000000	1.0000000
DS IS/POINT X			CARD NO.000538	TAPE NO. 314	
2.0052678	3.2884591	3.2886199	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000			CARD NO.000538	TAPE NO. 315	
DS IS/MDI (63)			CARD NO.000538	TAPE NO. 316	
2.0052678	3.2884591	3.1886199	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO.000538	TAPE NO. 317	
DS IS/MDI (63)			CARD NO.000538	TAPE NO. 318	
2.0052678	3.2884591	3.1886199	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000			CARD NO.000538	TAPE NO. 319	
DS IS/MDI (63)			CARD NO.000538	TAPE NO. 319	
1.9648954	3.3394554	3.1941770	0.0000000	0.0000000	1.0000000
1.9295685	3.3888152	3.1968118	0.0000000	0.0000000	1.0000000
1.8939535	3.4361469	3.1989920	0.0000000	0.0000000	1.0000000
1.8561113	3.4807517	3.2016299	0.0000000	0.0000000	1.0000000
1.8152936	3.5218249	3.2051498	0.0000000	0.0000000	1.0000000
1.7712782	3.5585132	3.2097784	0.0000000	0.0000000	1.0000000
1.7241287	3.5899358	3.2156321	0.0000000	0.0000000	1.0000000
1.6741016	3.6152031	3.2227740	0.0000000	0.0000000	1.0000000
1.6209873	3.6322393	3.2316059	0.0000000	0.0000000	1.0000000
1.5670438	3.6405395	3.2417772	0.0000000	0.0000000	1.0000000
1.5123262	3.6418348	3.2530584	0.0000000	0.0000000	1.0000000
1.4570547	3.6379174	3.2651342	0.0000000	0.0000000	1.0000000
1.4015131	3.6306176	3.2776459	0.0000000	0.0000000	1.0000000
1.2909129	3.6132638	3.3024306	0.0000000	0.0000000	1.0000000
1.2365788	3.6069021	3.3138988	0.0000000	0.0000000	1.0000000
1.1834368	3.6045297	3.3241995	0.0000000	0.0000000	1.0000000
1.1319603	3.6074677	3.3329084	0.0000000	0.0000000	1.0000000
1.0822648	3.6176520	3.3399880	0.0000000	0.0000000	1.0000000
1.0316188	3.6319930	3.3462545	0.0000000	0.0000000	1.0000000
0.9801142	3.6498131	3.3518802	0.0000000	0.0000000	1.0000000
0.9277496	3.6698603	3.3570502	0.0000000	0.0000000	1.0000000
0.8201793	3.7117033	3.3667917	0.0000000	0.0000000	1.0000000
0.7648224	3.7316279	3.3717393	0.0000000	0.0000000	1.0000000
0.7083752	3.7476465	3.3769661	0.0000000	0.0000000	1.0000000
0.6509238	3.7603477	3.3826141	0.0000000	0.0000000	1.0000000
0.5926492	3.7679514	3.3887985	0.0000000	0.0000000	1.0000000
0.5378631	3.7702430	3.3950977	0.0000000	0.0000000	1.0000000
0.4830398	3.7685557	3.4018192	0.0000000	0.0000000	1.0000000
0.4281916	3.7637659	3.4087590	0.0000000	0.0000000	1.0000000
0.3732366	3.7567332	3.4157295	0.0000000	0.0000000	1.0000000

0.2624289	3.7392549	3.4290711	0.0000000	0.0000000	1.0000000
0.1493891	3.7225066	3.4405037	0.0000000	0.0000000	1.0000000
0.0917436	3.7163210	3.4450789	0.0000000	0.0000000	1.0000000
0.0333043	3.7126002	3.4486505	0.0000000	0.0000000	1.0000000
-0.0265997	3.7113854	3.4511342	0.0000000	0.0000000	1.0000000
-0.0858971	3.7117915	3.4525635	0.0000000	0.0000000	1.0000000
-0.2005143	3.7153897	3.4530412	0.0000000	0.0000000	1.0000000
-0.3110544	3.7192501	3.4515848	0.0000000	0.0000000	1.0000000
-0.3647385	3.7199825	3.4505760	0.0000000	0.0000000	1.0000000
-0.4173669	3.7192185	3.4496095	0.0000000	0.0000000	1.0000000

CONT./MDI (63) X

-0.4689189	3.7164285	3.4489545	0.0000000	0.0000000	1.0000000
-0.5193431	3.7110773	3.4484788	0.0000000	0.0000000	1.0000000
-0.5718961	3.7021603	3.4485408	0.0000000	0.0000000	1.0000000
-0.6249185	3.6896295	3.4489984	0.0000000	0.0000000	1.0000000
-0.6783513	3.6743552	3.4496819	0.0000000	0.0000000	1.0000000
-0.7862650	3.6390744	3.4510347	0.0000000	0.0000000	1.0000000
-0.8954988	3.6033136	3.4511982	0.0000000	0.0000000	1.0000000
-0.9505686	3.5874412	3.4503896	0.0000000	0.0000000	1.0000000
-1.0058694	3.5740842	3.4487485	0.0000000	0.0000000	1.0000000
-1.0612886	3.5641423	3.4460952	0.0000000	0.0000000	1.0000000
-1.1202431	3.5588302	3.4417977	0.0000000	0.0000000	1.0000000
-1.1799122	3.5579976	3.4360662	0.0000000	0.0000000	1.0000000
-1.2397350	3.5604569	3.4293144	0.0000000	0.0000000	1.0000000
-1.2990980	3.5650135	3.4218240	0.0000000	0.0000000	1.0000000
-1.4139575	3.5750254	3.4061714	0.0000000	0.0000000	1.0000000
-1.4682355	3.5773481	3.3988654	0.0000000	0.0000000	1.0000000
-1.5195556	3.5756239	3.3925366	0.0000000	0.0000000	1.0000000
-1.5671470	3.5683328	3.3876239	0.0000000	0.0000000	1.0000000
-1.6101026	3.5544278	3.3844332	0.0000000	0.0000000	1.0000000
-1.6520247	3.5325333	3.3825130	0.0000000	0.0000000	1.0000000
-1.6871035	3.5032219	3.3825843	0.0000000	0.0000000	1.0000000
-1.7151377	3.4685180	3.3843691	0.0000000	0.0000000	1.0000000
-1.7372327	3.4305544	3.3873525	0.0000000	0.0000000	1.0000000
-1.7556864	3.3914514	3.3906895	0.0000000	0.0000000	1.0000000
-1.7930094	3.3173678	3.3955817	0.0000000	0.0000000	1.0000000
-1.8164280	3.2855073	3.3961386	0.0000000	0.0000000	1.0000000
-1.8444568	3.2588751	3.3950047	0.0000000	0.0000000	1.0000000
-1.8768811	3.2387766	3.3919452	0.0000000	0.0000000	1.0000000
-1.9096050	3.2229927	3.3878260	0.0000000	0.0000000	1.0000000
-1.9424211	3.2084273	3.3830832	0.0000000	0.0000000	1.0000000
-1.9754325	3.1952249	3.3777102	0.0000000	0.0000000	1.0000000
-2.0086745	3.1835006	3.3717073	0.0000000	0.0000000	1.0000000
-2.0421382	3.1733486	3.3650798	0.0000000	0.0000000	1.0000000
-2.0757853	3.1648476	3.3578366	0.0000000	0.0000000	1.0000000
-2.1095571	3.1580642	3.3498890	0.0000000	0.0000000	1.0000000
-2.1433815	3.1530547	3.3415497	0.0000000	0.0000000	1.0000000
-2.1771779	3.1498682	3.3325325	0.0000000	0.0000000	1.0000000
-2.2108609	3.1485369	3.3229511	0.0000000	0.0000000	1.0000000

CARD NO. 000538

TAPE NO. 320

CARD NO. 000538

TAPE NO. 321

FEDRAT / 40.0000

DS IS/POINT

X

-2.2108609

DS IS/POINT

CARD NO. 000538

TAPE NO. 322

J

0.0000000

CARD NO. 000538

TAPE NO. 323

-2.2047253	X	Y	Z	I	J	K
		3.0595138	3.4344600	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000					CARD NO.000538	TAPE NO. 324
DS IS/MDI (65)	X	Y	Z	I	J	K
-2.2047253		3.0595138	3.3344600	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					CARD NO.000538	TAPE NO. 326
DS IS/MDI (65)	X	Y	Z	I	J	K
-2.1721390		3.0594263	3.3436082	0.0000000	0.0000000	1.0000000
-2.1393523		3.0615913	3.3522500	0.0000000	0.0000000	1.0000000
-2.1065100		3.0659548	3.3603598	0.0000000	0.0000000	1.0000000
-2.0737511		3.0724552	3.3679124	0.0000000	0.0000000	1.0000000
-2.0412052		3.0810240	3.3748837	0.0000000	0.0000000	1.0000000
-2.0089867		3.0915844	3.3812514	0.0000000	0.0000000	1.0000000
-1.9771879		3.1040507	3.3869962	0.0000000	0.0000000	1.0000000
-1.9458668		3.1183251	3.3921035	0.0000000	0.0000000	1.0000000
-1.9150271		3.1342924	3.3965658	0.0000000	0.0000000	1.0000000
-1.8845828		3.1518091	3.4003880	0.0000000	0.0000000	1.0000000
-1.8607066		3.1740749	3.4021643	0.0000000	0.0000000	1.0000000
-1.8400909		3.2036322	3.4023183	0.0000000	0.0000000	1.0000000
-1.8226429		3.2391038	3.4009690	0.0000000	0.0000000	1.0000000
-1.7916146		3.3212233	3.3950122	0.0000000	0.0000000	1.0000000
-1.7727471		3.3662884	3.3916544	0.0000000	0.0000000	1.0000000
-1.7475847		3.4094673	3.3892126	0.0000000	0.0000000	1.0000000
-1.7140396		3.4493707	3.3884327	0.0000000	0.0000000	1.0000000
-1.6715070		3.4838034	3.3896256	0.0000000	0.0000000	1.0000000
-1.6208842		3.5108501	3.3926774	0.0000000	0.0000000	1.0000000
-1.5689659		3.5291349	3.3965498	0.0000000	0.0000000	1.0000000
-1.5150307		3.5384998	3.4019031	0.0000000	0.0000000	1.0000000
-1.4598253		3.5396702	3.4086921	0.0000000	0.0000000	1.0000000
-1.4033425		3.5345462	3.4165120	0.0000000	0.0000000	1.0000000
-1.2889748		3.5154374	3.4330203	0.0000000	0.0000000	1.0000000
-1.2311076		3.5060958	3.4407374	0.0000000	0.0000000	1.0000000
-1.1730970		3.4993860	3.4476035	0.0000000	0.0000000	1.0000000
-1.1153559		3.4968445	3.4533077	0.0000000	0.0000000	1.0000000
-1.0584422		3.4999546	3.4575249	0.0000000	0.0000000	1.0000000
-1.0034917		3.5086852	3.4601954	0.0000000	0.0000000	1.0000000
-0.9485532		3.5213109	3.4618381	0.0000000	0.0000000	1.0000000
-0.8937768		3.5368200	3.4626362	0.0000000	0.0000000	1.0000000
-0.7849574		3.5725505	3.4624331	0.0000000	0.0000000	1.0000000
-0.6771671		3.6080931	3.4610449	0.0000000	0.0000000	1.0000000
-0.6236513		3.6233773	3.4603561	0.0000000	0.0000000	1.0000000
-0.5704295		3.6357181	3.4599063	0.0000000	0.0000000	1.0000000
-0.5175974		3.6441589	3.4598684	0.0000000	0.0000000	1.0000000
-0.4667463		3.6468811	3.4602908	0.0000000	0.0000000	1.0000000
-0.4149622		3.6503643	3.4610940	0.0000000	0.0000000	1.0000000
-0.3622910		3.6498735	3.4621014	0.0000000	0.0000000	1.0000000
-0.2542626		3.6449464	3.4640346	0.0000000	0.0000000	1.0000000
CONT./MDI (65)	X	Y	Z	I	J	K
-0.1424586		3.6388660	3.4647096	0.0000000	0.0000000	1.0000000

-0.0850884	3.6368834	3.4541371	0.0000000	0.0000000	1.0000000
-0.0267562	3.6363940	3.4527153	0.0000000	0.0000000	1.0000000
0.0324761	3.6380032	3.4602546	0.0000000	0.0000000	1.0000000
0.0892593	3.6425083	3.4567649	0.0000000	0.0000000	1.0000000
0.1465764	3.6497332	3.4523319	0.0000000	0.0000000	1.0000000
0.2581583	3.6692024	3.4412734	0.0000000	0.0000000	1.0000000
0.3681324	3.6900746	3.4282769	0.0000000	0.0000000	1.0000000
0.4230701	3.6989613	3.4214130	0.0000000	0.0000000	1.0000000
0.4781415	3.7056323	3.4145072	0.0000000	0.0000000	1.0000000
0.5335413	3.7091484	3.4077267	0.0000000	0.0000000	1.0000000
0.5893184	3.7085390	3.4012573	0.0000000	0.0000000	1.0000000
0.6484393	3.7022901	3.3948959	0.0000000	0.0000000	1.0000000
0.7066647	3.6905049	3.3890782	0.0000000	0.0000000	1.0000000
0.7637278	3.6744244	3.3837037	0.0000000	0.0000000	1.0000000
0.8195130	3.6553369	3.3786439	0.0000000	0.0000000	1.0000000
0.9273542	3.6134353	3.3687961	0.0000000	0.0000000	1.0000000
0.9796097	3.5932979	3.3636205	0.0000000	0.0000000	1.0000000
1.0308855	3.5754909	3.3580073	0.0000000	0.0000000	1.0000000
1.0912036	3.5613568	3.3517614	0.0000000	0.0000000	1.0000000
1.1304678	3.5522460	3.3447028	0.0000000	0.0000000	1.0000000
1.1822656	3.5496024	3.3358634	0.0000000	0.0000000	1.0000000
1.2355025	3.5528671	3.3254550	0.0000000	0.0000000	1.0000000
1.2898114	3.5601484	3.3138922	0.0000000	0.0000000	1.0000000
1.4003198	3.5791299	3.2889410	0.0000000	0.0000000	1.0000000
1.4559021	3.5869927	3.2753575	0.0000000	0.0000000	1.0000000
1.5112081	3.5912202	3.2642232	0.0000000	0.0000000	1.0000000
1.5661995	3.5899375	3.2529070	0.0000000	0.0000000	1.0000000
1.6203235	3.5813321	3.2427412	0.0000000	0.0000000	1.0000000
1.6735217	3.5636803	3.2339818	0.0000000	0.0000000	1.0000000
1.7246245	3.5378711	3.2266092	0.0000000	0.0000000	1.0000000
1.7732287	3.5063062	3.2202592	0.0000000	0.0000000	1.0000000
1.8191985	3.4698856	3.2148706	0.0000000	0.0000000	1.0000000
1.8625312	3.4287073	3.2103325	0.0000000	0.0000000	1.0000000
1.9035007	3.3840554	3.2063750	0.0000000	0.0000000	1.0000000
1.9429841	3.3363734	3.2025245	0.0000000	0.0000000	1.0000000
1.9833313	3.2861838	3.1975785	0.0000000	0.0000000	1.0000000
2.0312707	3.2335824	3.1880400	0.0000000	0.0000000	1.0000000

CARD NO. 000538 TAPE NO. 329

FEDRAT / 40.0000

DS IS/POINT	X	Y	Z	I	TAPE NO.
2.0312707		3.2335824	3.2880400	0.0000000	330

DS IS/POINT	X	Y	Z	I	TAPE NO.
2.0530534		3.1763235	3.2889641	0.0000000	331

FEDRAT / 12.0000

DS IS/MDI (67)	X	Y	Z	I	TAPE NO.
2.0530534		3.1763235	3.1889641	0.0000000	333

FEDRAT / 40.0000

CARD NO. 000538 TAPE NO. 334

DS IS/MDI (67)	X	Y	Z	I	J	K	CARD NO. 000538	TAPE NO. 335
1.955187	3.229899	3.203703	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.950092	3.260350	3.211052	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.907359	3.327999	3.216318	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.864213	3.372499	3.221173	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.819318	3.413320	3.226325	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.772418	3.449875	3.232088	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.723252	3.481573	3.238629	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.671851	3.507793	3.246030	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.618957	3.525648	3.254730	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.564896	3.538259	3.264911	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.510249	3.534197	3.276390	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.455201	3.528720	3.288662	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.399700	3.519430	3.301381	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.289772	3.497485	3.326653	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.235036	3.488947	3.338366	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.181080	3.484708	3.349072	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.128075	3.486793	3.358030	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.078476	3.495576	3.365158	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
1.027957	3.504321	3.371471	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.976478	3.526975	3.377189	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.924017	3.546840	3.382476	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.815782	3.588088	3.392538	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.759843	3.606747	3.397651	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.702676	3.622310	3.403027	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.644407	3.633480	3.408785	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.585237	3.638982	3.415021	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.528958	3.638638	3.421385	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.473453	3.639172	3.428040	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.418219	3.625865	3.434709	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.363452	3.615495	3.441352	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.254139	3.591641	3.453815	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.143814	3.569597	3.464548	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.087932	3.561392	3.468827	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
0.031532	3.556210	3.472212	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.026794	3.554379	3.474615	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.084309	3.555147	3.476053	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.141064	3.557812	3.476565	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.251968	3.560720	3.475898	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.359507	3.573592	3.473923	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.412189	3.575270	3.473003	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000

CONT./MDI (67)	X	Y	Z	I	J	K	CARD NO. 000538	TAPE NO. 336
-0.464171	3.574551	3.472212	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.515409	3.570651	3.471806	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.568313	3.562532	3.471868	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.621537	3.550342	3.472349	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.674975	3.535043	3.473034	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.782527	3.499498	3.474404	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.890910	3.463917	3.474685	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-0.945415	3.486979	3.473927	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-1.000080	3.465785	3.472349	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-1.054659	3.428325	3.469760	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-1.109575	3.426978	3.465802	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-1.165345	3.431790	3.460396	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-1.221498	3.441369	3.453844	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-1.334398	3.468718	3.438453	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000
-1.391506	3.478259	3.430346	0.000000	0.000000	0.000000	1.000000	0.000000	1.000000

CONT./MDI	(69)	X	Y	Z	I	J	K	CARD NO.000538	TAPE NO. 344
-1.8840617			3.0103246	3.4165300	0.000000	0.000000	1.000000	0.000000	1.000000
-1.8736100			3.0543949	3.4138684	0.000000	0.000000	1.000000	0.000000	1.000000
-1.8408926			3.1560698	3.4087934	0.000000	0.000000	1.000000	0.000000	1.000000
-1.8144212			3.2097079	3.4077905	0.000000	0.000000	1.000000	0.000000	1.000000
-1.7791772			3.2619035	3.4084341	0.000000	0.000000	1.000000	0.000000	1.000000
-1.7346607			3.3099932	3.4108105	0.000000	0.000000	1.000000	0.000000	1.000000
-1.6812203			3.3512305	3.4147552	0.000000	0.000000	1.000000	0.000000	1.000000
-1.6198718			3.3828638	3.4200246	0.000000	0.000000	1.000000	0.000000	1.000000
-1.5601576			3.4028907	3.4254131	0.000000	0.000000	1.000000	0.000000	1.000000
-1.5004511			3.4120778	3.4315925	0.000000	0.000000	1.000000	0.000000	1.000000
-1.4414203			3.4119685	3.4384538	0.000000	0.000000	1.000000	0.000000	1.000000
-1.3835009			3.4047804	3.4457553	0.000000	0.000000	1.000000	0.000000	1.000000
-1.3266226			3.3930953	3.4531890	0.000000	0.000000	1.000000	0.000000	1.000000
-1.2150116			3.3664389	3.4672101	0.000000	0.000000	1.000000	0.000000	1.000000
-1.1598029			3.3560868	3.4732270	0.000000	0.000000	1.000000	0.000000	1.000000
-1.1050101			3.3505204	3.4782156	0.000000	0.000000	1.000000	0.000000	1.000000
-1.0510216			3.3517688	3.4818828	0.000000	0.000000	1.000000	0.000000	1.000000
-0.9962093			3.3595678	3.4843451	0.000000	0.000000	1.000000	0.000000	1.000000
-0.9415027			3.3715425	3.4858484	0.000000	0.000000	1.000000	0.000000	1.000000
-0.8870050			3.3866425	3.4865599	0.000000	0.000000	1.000000	0.000000	1.000000
-0.7788050			3.420599	3.4862843	0.000000	0.000000	1.000000	0.000000	1.000000
-0.6716925			3.4575473	3.4848698	0.000000	0.000000	1.000000	0.000000	1.000000
-0.6185366			3.4727437	3.4841537	0.000000	0.000000	1.000000	0.000000	1.000000
-0.5656731			3.4848725	3.4836520	0.000000	0.000000	1.000000	0.000000	1.000000
-0.5131642			3.4929095	3.4835284	0.000000	0.000000	1.000000	0.000000	1.000000
-0.4618947			3.4965252	3.4838719	0.000000	0.000000	1.000000	0.000000	1.000000
-0.4099474			3.4966486	3.4845976	0.000000	0.000000	1.000000	0.000000	1.000000
-0.3573550			3.4941329	3.4855349	0.000000	0.000000	1.000000	0.000000	1.000000
-0.3041041			3.4898201	3.4865143	0.000000	0.000000	1.000000	0.000000	1.000000
-0.1954682			3.4790914	3.4879266	0.000000	0.000000	1.000000	0.000000	1.000000
-0.1400054			3.4742810	3.4880217	0.000000	0.000000	1.000000	0.000000	1.000000
-0.0837551			3.4708930	3.4874811	0.000000	0.000000	1.000000	0.000000	1.000000
-0.0267366			3.4697141	3.4861300	0.000000	0.000000	1.000000	0.000000	1.000000
0.0309854			3.4715394	3.4879111	0.000000	0.000000	1.000000	0.000000	1.000000
0.0869126			3.4771124	3.4804924	0.000000	0.000000	1.000000	0.000000	1.000000
0.1424076			3.4859904	3.4763256	0.000000	0.000000	1.000000	0.000000	1.000000
0.1974965			3.4972299	3.4714373	0.000000	0.000000	1.000000	0.000000	1.000000
0.3067997			3.5230270	3.4600567	0.000000	0.000000	1.000000	0.000000	1.000000
0.3612813			3.5356718	3.4538415	0.000000	0.000000	1.000000	0.000000	1.000000
0.4158700			3.5468332	3.4474523	0.000000	0.000000	1.000000	0.000000	1.000000
0.4707343			3.5554859	3.4410289	0.000000	0.000000	1.000000	0.000000	1.000000
0.5260108			3.5605713	3.4347152	0.000000	0.000000	1.000000	0.000000	1.000000
0.5817647			3.5610070	3.4286654	0.000000	0.000000	1.000000	0.000000	1.000000
0.6395186			3.5555672	3.4228162	0.000000	0.000000	1.000000	0.000000	1.000000
0.6966432			3.5446470	3.4173555	0.000000	0.000000	1.000000	0.000000	1.000000
0.7530179			3.5294980	3.4121621	0.000000	0.000000	1.000000	0.000000	1.000000
0.8085722			3.5113870	3.4071093	0.000000	0.000000	1.000000	0.000000	1.000000
0.9171647			3.4714068	3.3968769	0.000000	0.000000	1.000000	0.000000	1.000000
0.9702540			3.4521239	3.3914034	0.000000	0.000000	1.000000	0.000000	1.000000
1.0225931			3.4350458	3.3854871	0.000000	0.000000	1.000000	0.000000	1.000000
1.0742106			3.4214770	3.3789723	0.000000	0.000000	1.000000	0.000000	1.000000
1.1251019			3.4127242	3.3717061	0.000000	0.000000	1.000000	0.000000	1.000000
1.1801975			3.4109336	3.3623772	0.000000	0.000000	1.000000	0.000000	1.000000
1.2354733			3.4161717	3.3515345	0.000000	0.000000	1.000000	0.000000	1.000000
1.2906434			3.4262768	3.3396124	0.000000	0.000000	1.000000	0.000000	1.000000
1.3402256			3.4523947	3.3141220	0.000000	0.000000	1.000000	0.000000	1.000000
1.4546246			3.4639979	3.3013137	0.000000	0.000000	1.000000	0.000000	1.000000
1.5087528			3.4716470	3.2889635	0.000000	0.000000	1.000000	0.000000	1.000000

1.5625b21	3.4720955	3.2774524	0.0000000	0.0000000	1.0000000
1.6160691	3.4661285	3.2671730	0.0000000	0.0000000	1.0000000
1.6685788	3.4486055	3.2585385	0.0000000	0.0000000	1.0000000
1.7194314	3.4222278	3.2513035	0.0000000	0.0000000	1.0000000
1.7682700	3.3934823	3.2448900	0.0000000	0.0000000	1.0000000
1.8151149	3.3539755	3.2391789	0.0000000	0.0000000	1.0000000
1.8661739	3.3133028	3.2339632	0.0000000	0.0000000	1.0000000
1.9040770	3.2690297	3.2288456	0.0000000	0.0000000	1.0000000
1.9484237	3.2216418	3.2229700	0.0000000	0.0000000	1.0000000
1.9973159	3.1713303	3.2141757	0.0000000	0.0000000	1.0000000
2.0628213	3.1176290	3.1953468	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					
DS IS/POINT	X	Y	Z	I	K
2.0628213		3.1176290	3.2953468	0.0000000	1.0000000
CARD NO. 000538 TAPE NO. 346					
DS IS/POINT	X	Y	Z	I	K
2.0536115		3.0589223	3.3105783	0.0000000	1.0000000
CARD NO. 000538 TAPE NO. 347					
FEDRAT / 12.0000					
DS IS/MDI (71)	X	Y	Z	I	K
2.0536115		3.0589223	3.2105783	0.0000000	1.0000000
CARD NO. 000538 TAPE NO. 348					
FEDRAT / 40.0000					
DS IS/MDI (71)	X	Y	Z	I	K
1.9855392		3.1118222	3.2297493	0.0000000	1.0000000
1.9362228		3.1614019	3.2382568	0.0000000	1.0000000
1.8922687		3.2437113	3.2437113	0.0000000	1.0000000
1.8491745		3.2522788	3.2483706	0.0000000	1.0000000
1.8051910		3.2927272	3.2531196	0.0000000	1.0000000
1.7596282		3.3290451	3.2583712	0.0000000	1.0000000
1.7122562		3.3605817	3.2643457	0.0000000	1.0000000
1.6630508		3.3866720	3.2711767	0.0000000	1.0000000
1.6114946		3.4031827	3.2796800	0.0000000	1.0000000
1.5591333		3.4080443	3.2699019	0.0000000	1.0000000
1.5085947		3.4037970	3.3013279	0.0000000	1.0000000
1.4539405		3.3929982	3.3135477	0.0000000	1.0000000
1.4009383		3.3781836	3.3262065	0.0000000	1.0000000
1.2925735		3.3464358	3.3515401	0.0000000	1.0000000
1.2367154		3.3343545	3.3635542	0.0000000	1.0000000
1.1796955		3.3279819	3.3746345	0.0000000	1.0000000
1.1218424		3.3296903	3.3843221	0.0000000	1.0000000
1.0680059		3.3386721	3.3919903	0.0000000	1.0000000
1.0140446		3.3519391	3.3988524	0.0000000	1.0000000
0.9599114		3.3683427	3.4050484	0.0000000	1.0000000
0.9056190		3.3867335	3.4107099	0.0000000	1.0000000
0.7967785		3.4248690	3.4209415	0.0000000	1.0000000
0.7423636		3.4423047	3.4257729	0.0000000	1.0000000

CONT./MDI (71)	Y	Z	I	J	K	CARD NO. 000538	TAPE NO. 352
0.6880159	3.4571103	3.4305976	0.0000000	0.0000000	1.0000000		
0.6337344	3.4681282	3.4355609	0.0000000	0.0000000	1.0000000		
0.5794590	3.4742016	3.4408152	0.0000000	0.0000000	1.0000000		
0.5260898	3.4746925	3.4463825	0.0000000	0.0000000	1.0000000		
0.4724603	3.4704381	3.4523048	0.0000000	0.0000000	1.0000000		
0.4185320	3.4624552	3.4584329	0.0000000	0.0000000	1.0000000		
0.3642811	3.4517616	3.4646153	0.0000000	0.0000000	1.0000000		
0.3096934	3.4393784	3.4706387	0.0000000	0.0000000	1.0000000		
0.1994664	3.4136466	3.4819496	0.0000000	0.0000000	1.0000000		
0.1438053	3.4023578	3.4868068	0.0000000	0.0000000	1.0000000		
0.0877591	3.3934966	3.4909449	0.0000000	0.0000000	1.0000000		
0.0313065	3.3880952	3.4942090	0.0000000	0.0000000	1.0000000		
-0.0265156	3.3866154	3.4956033	0.0000000	0.0000000	1.0000000		
-0.0835603	3.3862556	3.4978284	0.0000000	0.0000000	1.0000000		
-0.1398012	3.3921758	3.4983624	0.0000000	0.0000000	1.0000000		
-0.1952307	3.3975353	3.4982808	0.0000000	0.0000000	1.0000000		
-0.3036801	3.4091955	3.4969557	0.0000000	0.0000000	1.0000000		
-0.3567199	3.4137973	3.4960481	0.0000000	0.0000000	1.0000000		
-0.4089732	3.4164397	3.4951971	0.0000000	0.0000000	1.0000000		
-0.4604213	3.4162631	3.4945657	0.0000000	0.0000000	1.0000000		
-0.5110174	3.4124057	3.4943152	0.0000000	0.0000000	1.0000000		
-0.5624026	3.4041272	3.4945185	0.0000000	0.0000000	1.0000000		
-0.6143522	3.3919110	3.4950667	0.0000000	0.0000000	1.0000000		
-0.6688364	3.3767383	3.4958046	0.0000000	0.0000000	1.0000000		
-0.7198359	3.3595892	3.4965764	0.0000000	0.0000000	1.0000000		
-0.7818285	3.3060873	3.4975168	0.0000000	0.0000000	1.0000000		
-0.8368018	3.2908372	3.4968390	0.0000000	0.0000000	1.0000000		
-0.8922459	3.2785138	3.4953956	0.0000000	0.0000000	1.0000000		
-1.0481399	3.2700979	3.4930228	0.0000000	0.0000000	1.0000000		
-1.1034064	3.2679815	3.4895169	0.0000000	0.0000000	1.0000000		
-1.1592935	3.2725020	3.4848138	0.0000000	0.0000000	1.0000000		
-1.2154765	3.2815970	3.4791968	0.0000000	0.0000000	1.0000000		
-1.3278034	3.3052557	3.4663094	0.0000000	0.0000000	1.0000000		
-1.3836394	3.3156537	3.4595626	0.0000000	0.0000000	1.0000000		
-1.4391368	3.3222736	3.4529501	0.0000000	0.0000000	1.0000000		
-1.4942354	3.3229537	3.4467145	0.0000000	0.0000000	1.0000000		
-1.5438411	3.3155013	3.4410917	0.0000000	0.0000000	1.0000000		
-1.6027516	3.2977137	3.4363139	0.0000000	0.0000000	1.0000000		
-1.6591523	3.2672294	3.4319056	0.0000000	0.0000000	1.0000000		
-1.7091504	3.2255667	3.4287679	0.0000000	0.0000000	1.0000000		
-1.7525317	3.1760702	3.4257494	0.0000000	0.0000000	1.0000000		
-1.7896843	3.1218992	3.4256590	0.0000000	0.0000000	1.0000000		
-1.8211274	3.0659515	3.4253136	0.0000000	0.0000000	1.0000000		
-1.8683059	2.9594247	3.4263683	0.0000000	0.0000000	1.0000000		
-1.8943759	2.9139806	3.4275442	0.0000000	0.0000000	1.0000000		
-1.8960575	2.8771214	3.4288290	0.0000000	0.0000000	1.0000000		
-1.9044107	2.8513826	3.4297567	0.0000000	0.0000000	1.0000000		
-1.9299764	2.8324811	3.4262627	0.0000000	0.0000000	1.0000000		
-1.9562763	2.8153129	3.4222333	0.0000000	0.0000000	1.0000000		
-1.9834648	2.7999939	3.4170464	0.0000000	0.0000000	1.0000000		
-2.0115194	2.7866425	3.4125083	0.0000000	0.0000000	1.0000000		
-2.0403240	2.753790	3.4088408	0.0000000	0.0000000	1.0000000		
-2.0697105	2.7063242	3.4006744	0.0000000	0.0000000	1.0000000		
-2.0994826	2.7595990	3.3940447	0.0000000	0.0000000	1.0000000		
-2.1294307	2.7553245	3.3869885	0.0000000	0.0000000	1.0000000		
-2.1593425	2.7536212	3.3795419	0.0000000	0.0000000	1.0000000		
-2.1890136	2.7546094	3.3717374	0.0000000	0.0000000	1.0000000		

FEDRAT / 40.0000			CARD NO.000538	TAPE NO. 353
DS IS/POINT	X			
-2.1890136		Y		
			3.4717374	Z
			0.0300000	I
			0.0000000	J
			1.0000000	K
DS IS/POINT	X			
-2.1892198		Y		
			3.4824671	Z
			0.0000000	I
			0.0000000	J
			1.0000000	K
FEDRAT / 12.0000				
DS IS/MDI (73)	X			
-2.1892198		Y		
			3.3824671	Z
			0.0000300	I
			0.0000000	J
			1.0000000	K
FEDRAT / 40.0000				
DS IS/MDI (73)	X			
-2.1594852		Y		
-2.1295002			3.3902976	Z
-2.0994561			3.3977864	
-2.0695534			3.4049010	
-2.0395909			3.4116043	
-2.0109534			3.4178581	
-1.9825954			3.4236257	
-1.9550153			3.4288748	
-1.9282102			3.4335822	
-1.9019862			3.4377407	
-1.8785211			3.4413712	
-1.8563961			3.4466487	
-1.831978			3.4398363	
-1.8012024			3.4394307	
-1.7659334			3.4400357	
-1.7272006			3.4407896	
-1.6851978			3.4418151	
-1.6397025			3.4432852	
-1.5901979			3.4454852	
-1.5419643			3.4487592	
-1.4916521			3.4527727	
-1.4395874			3.4578773	
-1.3850254			3.4637868	
-1.3311954			3.4702218	
-1.2186671			3.4769041	
-1.1614840			3.4898856	
-1.1040788			3.4956087	
-1.0407053			3.5004239	
-0.9902967			3.5040225	
-0.9347046			3.5063261	
-0.8800404			3.5076088	
-0.8262439			3.5080499	
-0.7206409			3.5078276	
-0.6683600			3.5061078	
-0.6161451			3.5049785	
			3.5039280	

CONT /MDI (73)	X	Y	Z	I	J	CARD NO. 000538	TAPE NO. 360
-0.5637638		3.3337606	3.5031595	0.0000000	0.0000000	0.0000000	1.0000000
-0.5112457		3.3432205	3.5028759	0.0000000	0.0000000	0.0000000	1.0000000
-0.4592432		3.3462636	3.5032109	0.0000000	0.0000000	0.0000000	1.0000000
-0.4068524		3.3439125	3.5040518	0.0000000	0.0000000	0.0000000	1.0000000
-0.3541954		3.3375513	3.5051861	0.0000000	0.0000000	0.0000000	1.0000000
<hr/>							
CONT /MDI (73)	X	Y	Z	I	J	CARD NO. 000538	TAPE NO. 360
-0.3012057		3.3285493	3.5064067	0.0000000	0.0000000	0.0000000	1.0000000
-0.1935386		3.3077572	3.5083253	0.0000000	0.0000000	0.0000000	1.0000000
-0.1385036		3.2983549	3.5086493	0.0000000	0.0000000	0.0000000	1.0000000
-0.0824992		3.2911243	3.5083031	0.0000000	0.0000000	0.0000000	1.0000000
-0.0254851		3.2871725	3.5070983	0.0000000	0.0000000	0.0000000	1.0000000
0.0324860		3.2876203	3.5048428	0.0000000	0.0000000	0.0000000	1.0000000
0.0855436		3.2936989	3.5014766	0.0000000	0.0000000	0.0000000	1.0000000
0.1457923		3.3049016	3.4971190	0.0000000	0.0000000	0.0000000	1.0000000
0.2012158		3.3198141	3.4919650	0.0000000	0.0000000	0.0000000	1.0000000
0.3100193		3.3551763	3.4799986	0.0000000	0.0000000	0.0000000	1.0000000
0.3637961		3.3727882	3.4735280	0.0000000	0.0000000	0.0000000	1.0000000
0.4174681		3.3883925	3.4669628	0.0000000	0.0000000	0.0000000	1.0000000
0.4713240		3.4004471	3.4604775	0.0000000	0.0000000	0.0000000	1.0000000
0.5254263		3.4073653	3.4542628	0.0000000	0.0000000	0.0000000	1.0000000
0.5797243		3.4075598	3.4485296	0.0000000	0.0000000	0.0000000	1.0000000
0.6347335		3.3997571	3.4433451	0.0000000	0.0000000	0.0000000	1.0000000
0.6888480		3.3849592	3.4387351	0.0000000	0.0000000	0.0000000	1.0000000
0.7421351		3.3650216	3.4344879	0.0000000	0.0000000	0.0000000	1.0000000
0.7948965		3.3417594	3.4303689	0.0000000	0.0000000	0.0000000	1.0000000
0.9003940		3.2920721	3.4215779	0.0000000	0.0000000	0.0000000	1.0000000
0.9538065		3.2688594	3.4164645	0.0000000	0.0000000	0.0000000	1.0000000
1.0079607		3.2488115	3.4105999	0.0000000	0.0000000	0.0000000	1.0000000
1.0629358		3.2334926	3.4037958	0.0000000	0.0000000	0.0000000	1.0000000
1.1166622		3.2245155	3.3958806	0.0000000	0.0000000	0.0000000	1.0000000
1.1783397		3.2242267	3.3859298	0.0000000	0.0000000	0.0000000	1.0000000
1.2364355		3.2323750	3.3748173	0.0000000	0.0000000	0.0000000	1.0000000
1.2927633		3.2466224	3.3629617	0.0000000	0.0000000	0.0000000	1.0000000
1.3400195		3.2843692	3.3384094	0.0000000	0.0000000	0.0000000	1.0000000
1.4512663		3.3033649	3.3262843	0.0000000	0.0000000	0.0000000	1.0000000
1.5015022		3.3193316	3.3145672	0.0000000	0.0000000	0.0000000	1.0000000
1.5515017		3.3297276	3.3034478	0.0000000	0.0000000	0.0000000	1.0000000
1.6022164		3.3317331	3.2931168	0.0000000	0.0000000	0.0000000	1.0000000
1.6544096		3.3222258	3.2838202	0.0000000	0.0000000	0.0000000	1.0000000
1.7055583		3.3021757	3.2758879	0.0000000	0.0000000	0.0000000	1.0000000
1.7559885		3.2751544	3.2686946	0.0000000	0.0000000	0.0000000	1.0000000
1.8053629		3.2419907	3.2621265	0.0000000	0.0000000	0.0000000	1.0000000
1.8537315		3.2035467	3.2559227	0.0000000	0.0000000	0.0000000	1.0000000
1.9018518		3.1606693	3.2495228	0.0000000	0.0000000	0.0000000	1.0000000
1.9519590		3.1140973	3.2416530	0.0000000	0.0000000	0.0000000	1.0000000
2.0099565		3.0641917	3.2289368	0.0000000	0.0000000	0.0000000	1.0000000
<hr/>							
CONT./MDI (73)	X	Y	Z	I	J	CARD NO. 000538	TAPE NO. 361
2.0937838		3.0097271	3.1994631	0.0000000	0.0000000	0.0000000	1.0000000
<hr/>							
FEDRAT /	40.0000					CARD NO. 000538	TAPE NO. 362
<hr/>							
DS IS/POINT	X	Y	Z	I	J	CARD NO. 000538	TAPE NO. 363
2.0937838		3.0097271	3.1994631	0.0000000	0.0000000	0.0000000	1.0000000

DS IS/POINT	X	Y	Z	I	J	K
2.1327722	2.9553960	3.2876783	0.0000000	0.0000000	0.0000000	0.0000000
FEDRAT / 12.0000						
DS IS/MDI (75)						
2.1327722	2.9553960	3.1876783	0.0000000	0.0000000	0.0000000	0.0000000
FEDRAT / 40.0000						
DS IS/MDI (75)						
2.0263754	3.0106229	3.2324921	0.0000000	0.0000000	0.0000000	0.0000000
1.9563427	3.0594566	3.2497155	0.0000000	0.0000000	0.0000000	0.0000000
1.9031562	3.1053719	3.2596143	0.0000000	0.0000000	0.0000000	0.0000000
1.8510039	3.1468123	3.2671877	0.0000000	0.0000000	0.0000000	0.0000000
1.7951288	3.1832959	3.2741730	0.0000000	0.0000000	0.0000000	0.0000000
1.7474798	3.2136046	3.2812941	0.0000000	0.0000000	0.0000000	0.0000000
1.6951312	3.2373026	3.2888752	0.0000000	0.0000000	0.0000000	0.0000000
1.6428556	3.2527949	3.2970541	0.0000000	0.0000000	0.0000000	0.0000000
1.5904621	3.2665576	3.3064092	0.0000000	0.0000000	0.0000000	0.0000000
1.5409677	3.2803360	3.3165557	0.0000000	0.0000000	0.0000000	0.0000000
1.4927122	3.2947757	3.3274046	0.0000000	0.0000000	0.0000000	0.0000000
1.4442501	3.3099402	3.3388527	0.0000000	0.0000000	0.0000000	0.0000000
1.3930651	3.3268883	3.3520904	0.0000000	0.0000000	0.0000000	0.0000000
1.3430651	3.3453578	3.3675022	0.0000000	0.0000000	0.0000000	0.0000000
1.2895062	3.3653578	3.3857681	0.0000000	0.0000000	0.0000000	0.0000000
1.2338255	3.3876934	3.4077271	0.0000000	0.0000000	0.0000000	0.0000000
1.1760932	3.4154836	3.4220404	0.0000000	0.0000000	0.0000000	0.0000000
1.1165084	3.441351	3.4323312	0.0000000	0.0000000	0.0000000	0.0000000
1.0614535	3.4642143	3.4441351	0.0000000	0.0000000	0.0000000	0.0000000
1.0074255	3.4736752	3.4582001	0.0000000	0.0000000	0.0000000	0.0000000
0.9544133	3.473746	3.473746	0.0000000	0.0000000	0.0000000	0.0000000
0.9022980	3.473746	3.4841170	0.0000000	0.0000000	0.0000000	0.0000000
0.7991808	3.4841170	3.4970364	0.0000000	0.0000000	0.0000000	0.0000000
0.7469758	3.5028793	3.5028793	0.0000000	0.0000000	0.0000000	0.0000000
0.6933561	3.5191398	3.5191398	0.0000000	0.0000000	0.0000000	0.0000000
0.6378633	3.538941	3.538941	0.0000000	0.0000000	0.0000000	0.0000000
0.5803189	3.562755	3.562755	0.0000000	0.0000000	0.0000000	0.0000000
0.5237472	3.591683	3.591683	0.0000000	0.0000000	0.0000000	0.0000000
0.4680583	3.6231949	3.6231949	0.0000000	0.0000000	0.0000000	0.0000000
0.4133793	3.659253	3.659253	0.0000000	0.0000000	0.0000000	0.0000000
0.3595212	3.7044641	3.7044641	0.0000000	0.0000000	0.0000000	0.0000000
0.3027033	3.7544641	3.7544641	0.0000000	0.0000000	0.0000000	0.0000000
0.2527033	3.809253	3.809253	0.0000000	0.0000000	0.0000000	0.0000000
0.1999253	3.8704641	3.8704641	0.0000000	0.0000000	0.0000000	0.0000000
0.1444641	3.938941	3.938941	0.0000000	0.0000000	0.0000000	0.0000000
0.0892302	4.01683	4.01683	0.0000000	0.0000000	0.0000000	0.0000000
0.0331900	4.10000	4.10000	0.0000000	0.0000000	0.0000000	0.0000000
-0.0236237	4.1887727	4.1887727	0.0000000	0.0000000	0.0000000	0.0000000
-0.0795697	4.285264	4.285264	0.0000000	0.0000000	0.0000000	0.0000000
-0.1345694			0.0000000	0.0000000	0.0000000	0.0000000
-0.1887727			0.0000000	0.0000000	0.0000000	0.0000000
-0.2555264			0.0000000	0.0000000	0.0000000	0.0000000

-0.3488827	3.2503871	3.5154191	0.0000000	0.0000000	1.0000000
-0.4025762	3.2606231	3.5141547	0.0000000	0.0000000	1.0000000
-0.4568242	3.2655611	3.5132096	0.0000000	0.0000000	1.0000000
-0.5115094	3.2633254	3.5128121	0.0000000	0.0000000	1.0000000
-0.5666387	3.2525636	3.5131013	0.0000000	0.0000000	1.0000000
-0.6207901	3.2344191	3.5139519	0.0000000	0.0000000	1.0000000
-0.6739647	3.2108873	3.5151429	0.0000000	0.0000000	1.0000000
-0.7264761	3.1839200	3.5164481	0.0000000	0.0000000	1.0000000
-0.8312289	3.1269218	3.5185430	0.0000000	0.0000000	1.0000000
-0.8842159	3.1002374	3.5189358	0.0000000	0.0000000	1.0000000
-0.9379334	3.0768567	3.5186416	0.0000000	0.0000000	1.0000000
-0.9924774	3.0583415	3.5174780	0.0000000	0.0000000	1.0000000
-1.0478235	3.0461897	3.5152621	0.0000000	0.0000000	1.0000000
-1.1048863	3.0426636	3.51116560	0.0000000	0.0000000	1.0000000
-1.1621240	3.0473927	3.5068031	0.0000000	0.0000000	1.0000000
-1.2191525	3.0579682	3.5010231	0.0000000	0.0000000	1.0000000
-1.3312617	3.0870277	3.4879152	0.0000000	0.0000000	1.0000000
-1.3857497	3.1006889	3.4811860	0.0000000	0.0000000	1.0000000
-1.4388244	3.1105403	3.4747308	0.0000000	0.0000000	1.0000000
-1.4902100	3.1141718	3.4688397	0.0000000	0.0000000	1.0000000
-1.5395070	3.1091288	3.4638038	0.0000000	0.0000000	1.0000000
-1.5866550	3.0929739	3.4599206	0.0000000	0.0000000	1.0000000
-1.6334234	3.0633929	3.4570733	0.0000000	0.0000000	1.0000000
-1.6765170	3.0218117	3.4554065	0.0000000	0.0000000	1.0000000
-1.7167752	2.9712885	3.4545083	0.0000000	0.0000000	1.0000000
-1.7546726	2.9140883	3.4540081	0.0000000	0.0000000	1.0000000
-1.7901406	2.8556923	3.4530330	0.0000000	0.0000000	1.0000000
-1.8504116	2.7413521	3.4531171	0.0000000	0.0000000	1.0000000
-1.8727602	2.6924686	3.4532534	0.0000000	0.0000000	1.0000000
-1.8890700	2.6532624	3.4537051	0.0000000	0.0000000	1.0000000
-1.9030353	2.6267931	3.4540437	0.0000000	0.0000000	1.0000000
-1.9289543	2.6084664	3.4503224	0.0000000	0.0000000	1.0000000
-1.9540915	2.5921522	3.4460513	0.0000000	0.0000000	1.0000000
-1.9819336	2.5780372	3.4412164	0.0000000	0.0000000	1.0000000
-2.0104906	2.5660723	3.4358315	0.0000000	0.0000000	1.0000000
-2.0337634	2.5562705	3.4293262	0.0000000	0.0000000	1.0000000
-2.0694006	2.5486460	3.4235392	0.0000000	0.0000000	1.0000000
-2.0994149	2.5432135	3.4167140	0.0000000	0.0000000	1.0000000
-2.1295558	2.5399882	3.4094951	0.0000000	0.0000000	1.0000000
-2.1596312	2.5389850	3.4019258	0.0000000	0.0000000	1.0000000

CONT./MDI (75) Y Z I J K TAPE NO. 370

-2.1894590 2.5402192 3.3940444 0.0000000 0.0000000 1.0000000

FEDRAT / 40.0000 DS 15/POINT X Y Z I J K TAPE NO. 371

-2.1894590 2.5402192 3.4940444 0.0000000 0.0000000 1.0000000

DS 15/POINT X Y Z I J K TAPE NO. 372

-2.1896981 2.4311625 3.5052609 0.0000000 0.0000000 1.0000000

FEDRAT / 12.0000 DS 15/POINT X Y Z I J K TAPE NO. 373

-2.1896981 2.4311625 3.5052609 0.0000000 0.0000000 1.0000000

FEDRAT / 12.0000 DS 15/POINT X Y Z I J K TAPE NO. 374

-2.1896981 2.4311625 3.5052609 0.0000000 0.0000000 1.0000000

DS IS/MDI (77) X
-2.1895981

FEDRAT / 43.0000

DS IS/MDI (77) X

DS IS/MDI (77) X

Y	Z	I	J	K
2.4311625	3.4052609	0.0000000	0.0000000	1.0000000
2.4297416	3.4131960	0.0000000	0.0000000	1.0000000
2.4302743	3.4208401	0.0000000	0.0000000	1.0000000
2.4328136	3.4281502	0.0000000	0.0000000	1.0000000
2.4374119	3.4350784	0.0000000	0.0000000	1.0000000
2.441220	3.4415749	0.0000000	0.0000000	1.0000000
2.4529667	3.4475912	0.0000000	0.0000000	1.0000000
2.4640088	3.4530832	0.0000000	0.0000000	1.0000000
2.4774561	3.4580158	0.0000000	0.0000000	1.0000000
2.4931530	3.4623603	0.0000000	0.0000000	1.0000000
2.5112423	3.4661506	0.0000000	0.0000000	1.0000000
2.5375679	3.4692411	0.0000000	0.0000000	1.0000000
2.5765499	3.4661084	0.0000000	0.0000000	1.0000000
2.6251416	3.4661032	0.0000000	0.0000000	1.0000000
2.7387601	3.4663102	0.0000000	0.0000000	1.0000000
2.7975555	3.4663628	0.0000000	0.0000000	1.0000000
2.8535361	3.4665371	0.0000000	0.0000000	1.0000000
2.9036138	3.4671470	0.0000000	0.0000000	1.0000000
2.9447076	3.4685851	0.0000000	0.0000000	1.0000000
2.9737391	3.4712699	0.0000000	0.0000000	1.0000000
2.9891536	3.4751668	0.0000000	0.0000000	1.0000000
2.9931927	3.4802131	0.0000000	0.0000000	1.0000000
2.9884057	3.4861142	0.0000000	0.0000000	1.0000000
2.9773380	3.4925779	0.0000000	0.0000000	1.0000000
2.9625307	3.4993117	0.0000000	0.0000000	1.0000000
2.9465213	3.5060202	0.0000000	0.0000000	1.0000000
2.9318448	3.5124040	0.0000000	0.0000000	1.0000000
2.9210336	3.5181582	0.0000000	0.0000000	1.0000000
2.9166188	3.5229709	0.0000000	0.0000000	1.0000000
2.9211312	3.5265224	0.0000000	0.0000000	1.0000000
2.9354887	3.5286189	0.0000000	0.0000000	1.0000000
2.9576519	3.5296585	0.0000000	0.0000000	1.0000000
2.9856896	3.5298253	0.0000000	0.0000000	1.0000000
3.0176637	3.5293100	0.0000000	0.0000000	1.0000000
3.0854881	3.5270353	0.0000000	0.0000000	1.0000000
3.1172094	3.5257000	0.0000000	0.0000000	1.0000000
3.1445756	3.5245257	0.0000000	0.0000000	1.0000000
3.1653191	3.5237255	0.0000000	0.0000000	1.0000000
3.1771516	3.5234920	0.0000000	0.0000000	1.0000000
3.1767708	3.5239147	0.0000000	0.0000000	1.0000000
3.1717725	3.5248552	0.0000000	0.0000000	1.0000000
3.1583099	3.5261103	0.0000000	0.0000000	1.0000000
3.1405410	3.5274742	0.0000000	0.0000000	1.0000000
3.1003894	3.5297112	0.0000000	0.0000000	1.0000000
3.0819571	3.5301871	0.0000000	0.0000000	1.0000000
3.0671526	3.5299785	0.0000000	0.0000000	1.0000000
3.0578403	3.5288980	0.0000000	0.0000000	1.0000000
3.0558963	3.5267630	0.0000000	0.0000000	1.0000000
3.0630565	3.5235032	0.0000000	0.0000000	1.0000000

CONT./MDI (77) X

Y	Z	I	J	K
3.1583099	3.5261103	0.0000000	0.0000000	1.0000000
3.1405410	3.5274742	0.0000000	0.0000000	1.0000000
3.1003894	3.5297112	0.0000000	0.0000000	1.0000000
3.0819571	3.5301871	0.0000000	0.0000000	1.0000000
3.0671526	3.5299785	0.0000000	0.0000000	1.0000000
3.0578403	3.5288980	0.0000000	0.0000000	1.0000000
3.0558963	3.5267630	0.0000000	0.0000000	1.0000000
3.0630565	3.5235032	0.0000000	0.0000000	1.0000000

0.1415520	3.0783207	3.5192215	0.0000000	0.0000000	1.0000000
0.1946470	3.0995251	3.5141073	0.0000000	0.0000000	1.0000000
0.2474122	3.1245168	3.5083366	0.0000000	0.0000000	1.0000000
0.3536371	3.1771620	3.4954797	0.0000000	0.0000000	1.0000000
0.4081187	3.2003664	3.4887076	0.0000000	0.0000000	1.0000000
0.4341089	3.2184517	3.4819194	0.0000000	0.0000000	1.0000000
0.5217933	3.2291102	3.4752909	0.0000000	0.0000000	1.0000000
0.5810057	3.2300649	3.4690261	0.0000000	0.0000000	1.0000000
0.6417127	3.2188675	3.4632699	0.0000000	0.0000000	1.0000000
0.6933178	3.1905542	3.4504213	0.0000000	0.0000000	1.0000000
0.7538913	3.1651146	3.4342865	0.0000000	0.0000000	1.0000000
0.8060755	3.1305237	3.4555217	0.0000000	0.0000000	1.0000000
0.9069857	3.0552785	3.4431334	0.0000000	0.0000000	1.0000000
0.9574362	3.0210842	3.4387487	0.0000000	0.0000000	1.0000000
1.0087045	2.9926512	3.4335492	0.0000000	0.0000000	1.0000000
1.0610855	2.9726794	3.4273011	0.0000000	0.0000000	1.0000000
1.1145756	2.9538304	3.4198115	0.0000000	0.0000000	1.0000000
1.1735683	2.9664433	3.4099996	0.0000000	0.0000000	1.0000000
1.2304722	2.9850725	3.3990367	0.0000000	0.0000000	1.0000000
1.2850629	3.0105949	3.3873502	0.0000000	0.0000000	1.0000000
1.3372961	3.0419529	3.3753139	0.0000000	0.0000000	1.0000000
1.4354585	3.1101030	3.3514364	0.0000000	0.0000000	1.0000000
1.4824989	3.1408107	3.3400841	0.0000000	0.0000000	1.0000000
1.5296339	3.1650467	3.3293588	0.0000000	0.0000000	1.0000000
1.5785242	3.1793753	3.3193781	0.0000000	0.0000000	1.0000000
1.6310251	3.1600761	3.3102197	0.0000000	0.0000000	1.0000000
1.6837377	3.1679445	3.3022506	0.0000000	0.0000000	1.0000000
1.7367522	3.1470350	3.2948746	0.0000000	0.0000000	1.0000000
1.7896016	3.1185554	3.2879216	0.0000000	0.0000000	1.0000000
1.8423626	3.0837190	3.2810260	0.0000000	0.0000000	1.0000000
1.8961544	3.0436898	3.2733827	0.0000000	0.0000000	1.0000000
1.9545122	2.9994740	3.2629934	0.0000000	0.0000000	1.0000000

CONT./MDI (77)	Y	Z	I	J	K	TAPE NO.
2.0280148	2.9514471	3.2436279	0.0000000	0.0000000	0.0000000	379
2.1552203	2.8962329	3.1855417	0.0000000	0.0000000	0.0000000	380
FEDRAT / 40.0000						
DS 15/POINT	Y	Z	I	J	K	TAPE NO.
2.1552203	2.8962329	3.2855417	0.0000000	0.0000000	1.0000000	381
DS 15/POINT	Y	Z	I	J	K	TAPE NO.
2.1446228	2.8336678	3.3051668	0.0000000	0.0000000	1.0000000	382
FEDRAT / 12.0000						
DS 15/MDI (79)	Y	Z	I	J	K	TAPE NO.
2.1446228	2.8336678	3.2051668	0.0000000	0.0000000	1.0000000	384
FEDRAT / 40.0000						
DS 15/MDI (79)	Y	Z	I	J	K	TAPE NO.
2.1446228	2.8336678	3.2051668	0.0000000	0.0000000	1.0000000	385

DS IS/MDI (79) CARD NO. 000538 TAPE NO. 386

X	Y	Z	I	J	K
2.0113716	2.8877790	3.2629902	0.0000000	0.0000000	1.0000000
1.9387207	2.9343355	3.2834496	0.0000000	0.0000000	1.0000000
1.887102	2.9771422	3.2935167	0.0000000	0.0000000	1.0000000
1.8202019	3.0158388	3.3061590	0.0000000	0.0000000	1.0000000
1.776480	3.0494147	3.3022128	0.0000000	0.0000000	1.0000000
1.7259188	3.0765720	3.3084169	0.0000000	0.0000000	1.0000000
1.6738486	3.0963388	3.3151248	0.0000000	0.0000000	1.0000000
1.6217241	3.1070967	3.3225265	0.0000000	0.0000000	1.0000000
1.5687050	3.1044278	3.3313485	0.0000000	0.0000000	1.0000000
1.5190331	3.0870637	3.3411727	0.0000000	0.0000000	1.0000000
1.4714230	3.0587376	3.3513410	0.0000000	0.0000000	1.0000000
1.4248995	3.0231031	3.3631552	0.0000000	0.0000000	1.0000000
1.3786694	2.9440501	3.3688155	0.0000000	0.0000000	1.0000000
1.2781211	2.8555272	3.3868432	0.0000000	0.0000000	1.0000000
1.2253372	2.8775502	3.4100858	0.0000000	0.0000000	1.0000000
1.1702639	2.8575317	3.4207679	0.0000000	0.0000000	1.0000000
1.1131236	2.8509150	3.4302796	0.0000000	0.0000000	1.0000000
1.0621111	2.8592944	3.4374098	0.0000000	0.0000000	1.0000000
1.0121248	2.8801295	3.4433158	0.0000000	0.0000000	1.0000000
0.9625605	2.9104183	3.4482518	0.0000000	0.0000000	1.0000000
0.9140486	2.9471637	3.4524816	0.0000000	0.0000000	1.0000000
0.8139516	3.0279986	3.4600924	0.0000000	0.0000000	1.0000000
0.7638232	3.0660227	3.4641282	0.0000000	0.0000000	1.0000000
0.7045830	3.0983710	3.4686586	0.0000000	0.0000000	1.0000000
0.6448156	3.1219799	3.4739894	0.0000000	0.0000000	1.0000000
0.5815549	3.1338198	3.4801182	0.0000000	0.0000000	1.0000000
0.5202890	3.1329649	3.4865560	0.0000000	0.0000000	1.0000000
0.4608832	3.1226691	3.4932166	0.0000000	0.0000000	1.0000000
0.4034697	3.1034360	3.4999224	0.0000000	0.0000000	1.0000000
0.3479474	3.0793959	3.5065506	0.0000000	0.0000000	1.0000000
0.2412674	3.0244795	3.5190143	0.0000000	0.0000000	1.0000000
0.1852262	2.9902994	3.5245700	0.0000000	0.0000000	1.0000000
0.1374791	2.9760949	3.5294771	0.0000000	0.0000000	1.0000000
0.0857303	2.9605035	3.5335761	0.0000000	0.0000000	1.0000000
0.0338729	2.9529627	3.5366972	0.0000000	0.0000000	1.0000000
-0.0189414	2.9556137	3.5387605	0.0000000	0.0000000	1.0000000
-0.0715164	2.9664082	3.5398284	0.0000000	0.0000000	1.0000000
-0.1238734	2.9832203	3.5400776	0.0000000	0.0000000	1.0000000
-0.1762970	3.0039237	3.5396915	0.0000000	0.0000000	1.0000000
-0.2826858	3.0484346	3.5377644	0.0000000	0.0000000	1.0000000

CONT./MDI (79) CARD NO. 000538 TAPE NO. 387

X	Y	Z	I	J	K
-0.3375280	3.0679055	3.5365951	0.0000000	0.0000000	1.0000000
-0.3939437	3.0825367	3.5355239	0.0000000	0.0000000	1.0000000
-0.4520762	3.0903081	3.5347124	0.0000000	0.0000000	1.0000000
-0.5117989	3.0886577	3.5343157	0.0000000	0.0000000	1.0000000
-0.5720498	3.0766533	3.5344445	0.0000000	0.0000000	1.0000000
-0.6304629	3.0550788	3.5350403	0.0000000	0.0000000	1.0000000
-0.6870142	3.0263621	3.5359214	0.0000000	0.0000000	1.0000000
-0.7417936	2.9927768	3.5370565	0.0000000	0.0000000	1.0000000
-0.8471014	2.9200238	3.5390013	0.0000000	0.0000000	1.0000000
-0.8900610	2.8853355	3.5394545	0.0000000	0.0000000	1.0000000
-0.9502513	2.8547337	3.5392132	0.0000000	0.0000000	1.0000000
-1.0013552	2.8304226	3.5383238	0.0000000	0.0000000	1.0000000
-1.0523663	2.8145593	3.5363635	0.0000000	0.0000000	1.0000000
-1.1065162	2.8090775	3.5329441	0.0000000	0.0000000	1.0000000
-1.1616301	2.8125687	3.5242762	0.0000000	0.0000000	1.0000000

-1.2172200	2.6225572	3.5226656	0.0000000	1.0000000	388
-1.2723460	2.6365234	3.5164141	0.0000000	1.0000000	
-1.3826180	2.6630119	3.5031738	0.0000000	1.0000000	
-1.4360338	2.6770710	3.4967674	0.0000000	1.0000000	
-1.4882203	2.6817320	3.4908848	0.0000000	1.0000000	
-1.5382113	2.6777640	3.4858054	0.0000000	1.0000000	
-1.5865142	2.6626441	3.4818015	0.0000000	1.0000000	
-1.6323294	2.6445202	3.4789793	0.0000000	1.0000000	
-1.6753705	2.6194782	3.4773651	0.0000000	1.0000000	
-1.7145135	2.5866864	3.4765891	0.0000000	1.0000000	
-1.7508544	2.5523951	3.4763052	0.0000000	1.0000000	
-1.7845790	2.5166405	3.4762340	0.0000000	1.0000000	
-1.8425256	2.5276520	3.4761948	0.0000000	1.0000000	
-1.8654685	2.4808036	3.4762230	0.0000000	1.0000000	
-1.8827524	2.4431521	3.4762307	0.0000000	1.0000000	
-1.8961136	2.3717329	3.4758179	0.0000000	1.0000000	
-1.9252107	2.3993251	3.4721054	0.0000000	1.0000000	
-1.9527327	2.3836831	3.4677417	0.0000000	1.0000000	
-1.9808584	2.3703459	3.4628013	0.0000000	1.0000000	
-2.0097357	2.3592606	3.4573038	0.0000000	1.0000000	
-2.0391692	2.3503777	3.4512833	0.0000000	1.0000000	
-2.0690662	2.3430501	3.4447818	0.0000000	1.0000000	
-2.0992628	2.3390320	3.4378458	0.0000000	1.0000000	
-2.1295808	2.3364782	3.4305226	0.0000000	1.0000000	
-2.1598407	2.3359438	3.4228573	0.0000000	1.0000000	
CONT./MDI (79)	Y	Z	I	TAPE NO. K	
-2.1899751	2.3373930	3.4148900	0.0000000	1.0000000	389
FEDRAT / 40.0000				TAPE NO.	
DS IS/POINT X	Y	Z	I	CARD NO.000538 J	
-2.1898751	2.3373830	3.5148900	0.0000000	1.0000000	390
OS IS/POINT X	Y	Z	I	CARD NO.000538 J	
-2.1898868	2.2716720	3.5216801	0.0000000	1.0000000	391
FEDRAT / 12.0000				TAPE NO. K	
DS IS/MDI (31)	Y	Z	I	CARD NO.000538 J	
-2.1898868	2.2716720	3.4216801	0.0000000	1.0000000	392
FEDRAT / 40.0000				TAPE NO.	
DS IS/MDI (81)	Y	Z	I	CARD NO.000538 J	
-2.1593007	2.2705238	3.4296235	0.0000000	1.0000000	393
-2.1295540	2.2719638	3.4371981	0.0000000	1.0000000	
-2.0992265	2.2758710	3.4443791	0.0000000	1.0000000	
-2.0690300	2.2821473	3.4511369	0.0000000	1.0000000	
-2.0391460	2.2906897	3.4574392	0.0000000	1.0000000	
FEDRAT / 40.0000				TAPE NO. K	
DS IS/MDI (81)	Y	Z	I	CARD NO.000538 J	
-2.1593007	2.2705238	3.4296235	0.0000000	1.0000000	395
-2.1295540	2.2719638	3.4371981	0.0000000	1.0000000	
-2.0992265	2.2758710	3.4443791	0.0000000	1.0000000	
-2.0690300	2.2821473	3.4511369	0.0000000	1.0000000	
-2.0391460	2.2906897	3.4574392	0.0000000	1.0000000	

-2.0097433
-1.9806228
-1.9528945
-1.9255376
-1.8987195
-1.8738474
-1.8502935
-1.8281110
-1.8065661
-1.7846361
-1.7627070
-1.7408270
-1.7189383
-1.6970406
-1.6751450
-1.6532491
-1.6313535
-1.6094579
-1.5875623
-1.5656667
-1.5437711
-1.5218755
-1.5000000
-1.4781250
-1.4562500
-1.4343750
-1.4125000
-1.3906250
-1.3687500
-1.3468750
-1.3250000
-1.3031250
-1.2812500
-1.2593750
-1.2375000
-1.2156250
-1.1937500
-1.1718750
-1.1500000
-1.1281250
-1.1062500
-1.0843750
-1.0625000
-1.0406250
-1.0187500
-0.9968750
-0.9750000
-0.9531250
-0.9312500
-0.9093750
-0.8875000
-0.8656250
-0.8437500
-0.8218750
-0.8000000
-0.7781250
-0.7562500
-0.7343750
-0.7125000
-0.6906250
-0.6687500
-0.6468750
-0.6250000
-0.6031250
-0.5812500
-0.5593750
-0.5375000
-0.5156250
-0.4937500
-0.4718750
-0.4500000
-0.4281250
-0.4062500
-0.3843750
-0.3625000
-0.3406250
-0.3187500
-0.2968750
-0.2750000
-0.2531250
-0.2312500
-0.2093750
-0.1875000
-0.1656250
-0.1437500
-0.1218750
-0.1000000
-0.0781250
-0.0562500
-0.0343750
-0.0125000
0.0093750
0.0312500
0.0531250
0.0750000
0.0968750
0.1187500
0.1406250
0.1625000
0.1843750
0.2062500
0.2281250
0.2500000
0.2718750
0.2937500
0.3156250
0.3375000
0.3593750
0.3812500
0.4031250
0.4250000
0.4468750
0.4687500
0.4906250
0.5125000
0.5343750
0.5562500
0.5781250
0.6000000
0.6218750
0.6437500
0.6656250
0.6875000
0.7093750
0.7312500
0.7531250
0.7750000
0.7968750
0.8187500
0.8406250
0.8625000
0.8843750
0.9062500
0.9281250
0.9500000
0.9718750
0.9937500
1.0156250
1.0375000
1.0593750
1.0812500
1.1031250
1.1250000
1.1468750
1.1687500
1.1906250
1.2125000
1.2343750
1.2562500
1.2781250
1.3000000
1.3218750
1.3437500
1.3656250
1.3875000
1.4093750
1.4312500
1.4531250
1.4750000
1.4968750
1.5187500
1.5406250
1.5625000
1.5843750
1.6062500
1.6281250
1.6500000
1.6718750
1.6937500
1.7156250
1.7375000
1.7593750
1.7812500
1.8031250
1.8250000
1.8468750
1.8687500
1.8906250
1.9125000
1.9343750
1.9562500
1.9781250
2.0000000
2.0218750
2.0437500
2.0656250
2.0875000
2.1093750
2.1312500
2.1531250
2.1750000
2.1968750
2.2187500
2.2406250
2.2625000
2.2843750
2.3062500
2.3281250
2.3500000
2.3718750
2.3937500
2.4156250
2.4375000
2.4593750
2.4812500
2.5031250
2.5250000
2.5468750
2.5687500
2.5906250
2.6125000
2.6343750
2.6562500
2.6781250
2.7000000
2.7218750
2.7437500
2.7656250
2.7875000
2.8093750
2.8312500
2.8531250
2.8750000
2.8968750
2.9187500
2.9406250
2.9625000
2.9843750
3.0062500
3.0281250
3.0500000
3.0718750
3.0937500
3.1156250
3.1375000
3.1593750
3.1812500
3.2031250
3.2250000
3.2468750
3.2687500
3.2906250
3.3125000
3.3343750
3.3562500
3.3781250
3.4000000
3.4218750
3.4437500
3.4656250
3.4875000
3.5093750
3.5312500
3.5531250
3.5750000
3.5968750
3.6187500
3.6406250
3.6625000
3.6843750
3.7062500
3.7281250
3.7500000
3.7718750
3.7937500
3.8156250
3.8375000
3.8593750
3.8812500
3.9031250
3.9250000
3.9468750
3.9687500
3.9906250
4.0125000
4.0343750
4.0562500
4.0781250
4.1000000
4.1218750
4.1437500
4.1656250
4.1875000
4.2093750
4.2312500
4.2531250
4.2750000
4.2968750
4.3187500
4.3406250
4.3625000
4.3843750
4.4062500
4.4281250
4.4500000
4.4718750
4.4937500
4.5156250
4.5375000
4.5593750
4.5812500
4.6031250
4.6250000
4.6468750
4.6687500
4.6906250
4.7125000
4.7343750
4.7562500
4.7781250
4.8000000
4.8218750
4.8437500
4.8656250
4.8875000
4.9093750
4.9312500
4.9531250
4.9750000
4.9968750
5.0187500
5.0406250
5.0625000
5.0843750
5.1062500
5.1281250
5.1500000
5.1718750
5.1937500
5.2156250
5.2375000
5.2593750
5.2812500
5.3031250
5.3250000
5.3468750
5.3687500
5.3906250
5.4125000
5.4343750
5.4562500
5.4781250
5.5000000
5.5218750
5.5437500
5.5656250
5.5875000
5.6093750
5.6312500
5.6531250
5.6750000
5.6968750
5.7187500
5.7406250
5.7625000
5.7843750
5.8062500
5.8281250
5.8500000
5.8718750
5.8937500
5.9156250
5.9375000
5.9593750
5.9812500
6.0031250
6.0250000
6.0468750
6.0687500
6.0906250
6.1125000
6.1343750
6.1562500
6.1781250
6.2000000
6.2218750
6.2437500
6.2656250
6.2875000
6.3093750
6.3312500
6.3531250
6.3750000
6.3968750
6.4187500
6.4406250
6.4625000
6.4843750
6.5062500
6.5281250
6.5500000
6.5718750
6.5937500
6.6156250
6.6375000
6.6593750
6.6812500
6.7031250
6.7250000
6.7468750
6.7687500
6.7906250
6.8125000
6.8343750
6.8562500
6.8781250
6.9000000
6.9218750
6.9437500
6.9656250
6.9875000
7.0093750
7.0312500
7.0531250
7.0750000
7.0968750
7.1187500
7.1406250
7.1625000
7.1843750
7.2062500
7.2281250
7.2500000
7.2718750
7.2937500
7.3156250
7.3375000
7.3593750
7.3812500
7.4031250
7.4250000
7.4468750
7.4687500
7.4906250
7.5125000
7.5343750
7.5562500
7.5781250
7.6000000
7.6218750
7.6437500
7.6656250
7.6875000
7.7093750
7.7312500
7.7531250
7.7750000
7.7968750
7.8187500
7.8406250
7.8625000
7.8843750
7.9062500
7.9281250
7.9500000
7.9718750
7.9937500
8.0156250
8.0375000
8.0593750
8.0812500
8.1031250
8.1250000
8.1468750
8.1687500
8.1906250
8.2125000
8.2343750
8.2562500
8.2781250
8.3000000
8.3218750
8.3437500
8.3656250
8.3875000
8.4093750
8.4312500
8.4531250
8.4750000
8.4968750
8.5187500
8.5406250
8.5625000
8.5843750
8.6062500
8.6281250
8.6500000
8.6718750
8.6937500
8.7156250
8.7375000
8.7593750
8.7812500
8.8031250
8.8250000
8.8468750
8.8687500
8.8906250
8.9125000
8.9343750
8.9562500
8.9781250
9.0000000
9.0218750
9.0437500
9.0656250
9.0875000
9.1093750
9.1312500
9.1531250
9.1750000
9.1968750
9.2187500
9.2406250
9.2625000
9.2843750
9.3062500
9.3281250
9.3500000
9.3718750
9.3937500
9.4156250
9.4375000
9.4593750
9.4812500
9.5031250
9.5250000
9.5468750
9.5687500
9.5906250
9.6125000
9.6343750
9.6562500
9.6781250
9.7000000
9.7218750
9.7437500
9.7656250
9.7875000
9.8093750
9.8312500
9.8531250
9.8750000
9.8968750
9.9187500
9.9406250
9.9625000
9.9843750
10.0062500
10.0281250
10.0500000
10.0718750
10.0937500
10.1156250
10.1375000
10.1593750
10.1812500
10.2031250
10.2250000
10.2468750
10.2687500
10.2906250
10.3125000
10.3343750
10.3562500
10.3781250
10.4000000
10.4218750
10.4437500
10.4656250
10.4875000
10.5093750
10.5312500
10.5531250
10.5750000
10.5968750
10.6187500
10.6406250
10.6625000
10.6843750
10.7062500
10.7281250
10.7500000
10.7718750
10.7937500
10.8156250
10.8375000
10.8593750
10.8812500
10.9031250
10.9250000
10.9468750
10.9687500
10.9906250
11.0125000
11.0343750
11.0562500
11.0781250
11.1000000
11.1218750
11.1437500
11.1656250
11.1875000
11.2093750
11.2312500
11.2531250
11.2750000
11.2968750
11.3187500
11.3406250
11.3625000
11.3843750
11.4062500
11.4281250
11.4500000
11.4718750
11.4937500
11.5156250
11.5375000
11.5593750
11.5812500
11.6031250
11.6250000
11.6468750
11.6687500
11.6906250
11.7125000
11.7343750
11.7562500
11.7781250
11.8000000
11.8218750
11.8437500
11.8656250
11.8875000
11.9093750
11.9312500
11.9531250
11.9750000
11.9968750
12.0187500
12.0406250
12.0625000
12.0843750
12.1062500
12.1281250
12.1500000
12.1718750
12.1937500
12.2156250
12.2375000
12.2593750
12.2812500
12.3031250
12.3250000
12.3468750
12.3687500
12.3906250
12.4125000
12.4343750
12.4562500
12.4781250
12.5000000
12.5218750
12.5437500
12.5656250
12.5875000
12.6093750
12.6312500
12.6531250
12.6750000
12.6968750
12.7187500
12.7406250
12.7625000
12.7843750
12.8062500
12.8281250
12.8500000
12.8718750
12.8937500
12.9156250
12.9375000
12.9593750
12.9812500
13.0031250
13.0250000
13.0468750
13.0687500
13.0906250
13.1125000
13.1343750
13.1562500
13.1781250
13.2000000
13.2218750
13.2437500
13.2656250
13.2875000
13.3093750
13.3312500
13.3531250
13.3750000
13.3968750
13.4187500
13.4406250
13.4625000
13.4843750
13.5062500
13.5281250
13.5500000
13.5718750
13.5937500
13.6156250
13.6375000
13.6593750
13.6812500
13.7031250
13.7250000
13.7468750
13.7687500
13.7906250
13.8125000
13.8343750
13.8562500
13.8781250
13.9000000
13.9218750
13.9437500
13.9656250
13.9875000
14.0093750
14.0312500
14.0531250
14.0750000
14.0968750
14.1187500
14.1406250
14.1625000
14.1843750
14.2062500
14.2281250
14.2500000
14.2718750
14.2937500
14.3156250
14.3375000
14.3593750
14.3812500
14.4031250
14.4250000
14.4468750
14.4687500
14.4906250
14.5125000
14.5343750
14.5562500
14.5781250
14.6000000
14.6218750
14.6437500
14.6656250
14.6875000
14.7093750
14.7312500
14.7531250
14.7750000
14.7968750
14.8187500
14.8406250
14.8625000
14.8843750
14.9062500
14.9281250
14.9500000
14.9718750
14.9937500
15.0156250
15.0375000
15.0593750
15.0812500
15.1031250
15.1250000
15.1468750
15.1687500
15.1906250
15.2125000
15.2343750
15.2562500
15.2781250
15.3000000
15.3218750
15.3437500
15.3656250
15.3875000
15.4093750
15.4312500
15.4531250
15.4750000
15.4968750
15.5187500
15.5406250
15.5625000
15.5843750
15.6062500
15.6281250
15.6500000
15.6718750
15.6937500
15.7156250
15.7375000
15.7593750
15.7812500
15.8031250
15.8250000
15.8468750
15.8687500
15.8906250
15.9125000
15.9343750
15.9562500
15.9781250
16.0000000
16.0218750
16.0437500
16.0656250
16.0875000
16.1093750
16.1312500
16.1531250
16.1750000
16.1968750
16.2187500
16.2406250
16.2625000
16.2843750
16.3062500
16.3281250
16.3500000
16.3718750
16.3937500
16.4156250
16.4375000
16.4593750
16.4812500
16.5031250
16.5250000
16.5468750
16.5687500
16.5906250
16.6125000
16.6343750
16.6562500
16.6781250
16.7000000
16.7218750
16.7437500
16.7656250
16.7875000
16.8093750
16.8312500
16.8531250
16.8750000
16.8968750
16.9187500
16.9406250
16.9625000
16.9843750
17.0062500
17.0281250
17.0500000
17.0718750
17.0937500
17.1156250
17.1375000
17.1593750
17.1812500
17.2031250
17.2250000
17.2468750
17.2687500
17.2906250
17.3125000
17.3343750
17.3562500
17.3781250
17.4000000
17.4218750
17.4437500
17.4656250
17.4875000
17.5093750
17.5312500
17.5531250
17.5750000
17.5968750
17.6187500
17.6406250
17.6625000
17.6843750
17.7062500
17.7281250
17.7500000
17.7718750
17.7937500
17.8156250
17.8375000
17.8593750
17.8812500
17.9031250
17.9250000
17.9468750
17.9687500
17.9906250
18.0125000
18.0343750
18.0562500
18.0781250
18.1000000
18.1218750
18.1437500
18.1656250
18.1875000
18.2093750
18.2312500
18.2531250
18.2750000
18.2968750
18.3187500
18.3406250
18.3625000
18.3843750
18.4062500
18.4281250
18.4500000
18.4718750
18.4937500
18.5156250
18.5375000
18.5593750
18.5812500
18.6031250
18.6250000
18.6468750
18.6687500
18.6906250
18.7125000
18.7343750
18.7562500
18.7781250
18.8000000
18.8218750
18.8437500
18.8656250
18.8875000
18.9093750
18.9312500
18.9531250
18.9750000
18.9968750
19.0187500
19.0406250
19.0625000
19.0843750
19.1062500
19.1281250
19.1500000
19.1718750
19.1937500
19.2156250
19.2375000
19.2593750
19.2812500
19.3031250
19.3250000
19.3468750
19.3687500
19.3906250
19.4125000
19.4343750
19.4562500
19.4781250
19.5000000
19.5218750
19.5437500
19.5656250
19.5875000
19.6093750
19.6312500
19.6531250
19.6750000
19.6968750
19.7187500
19.7406250
19.7625000
19.7843750
19.8062500
19.8281250
19.8500000
19.8718750
19.8937500
19.9156250
19.9375000
19.9593750
19.9812500
20.0031250
20.0250000
20.0468750
20.0687500
20.0906250
20.1125000
20.1343750
20.1562500
20.1781250
20.2000000
20.2218750
20.2437500
20.2656250
20.2875000
20.3093750
20.3312500
20.3531250
20.3750000
20.3968750
20.4187500
20.4406250
20.4625000
20.4843750
20.5062500
20.5281250
20.5500000
20.5718750
20.5937500
20.6156250
20.6375000
20.6593750
20.6812500
20.7031250
20.7250000
20.7468750
20.7687500
20.7906250
20.8125000
20.8343750
20.8562500
20.8781250
20.9000000
20.9218750
20.9437500
20.9656250
20.9875000
21.0093750
21.0312500
21.0531250
21.0750000
21.0968750
21.1187500
21.1406250
21.1625000
21.1843750
21.2062500
21.2281250
21.2500000
21.2718750
21.2937500
21.3156250
21.3375000
21.3593750

1.1125732	2.9059144	3.4328341	0.0000000	0.0000000	1.0000000
1.1617133	2.812429	3.4266598	0.0000000	0.0000000	1.0000000
1.2107984	2.8314042	3.4170511	0.0000000	0.0000000	1.0000000
1.2598530	2.7599367	3.4065234	0.0000000	0.0000000	1.0000000
1.3090439	2.6943069	3.3953208	0.0000000	0.0000000	1.0000000
1.4064475	2.655436	3.3725815	0.0000000	0.0000000	1.0000000
1.4592705	2.5995347	3.3613047	0.0000000	0.0000000	1.0000000
1.5110625	2.5020507	3.3508978	0.0000000	0.0000000	1.0000000
1.5638294	2.4037745	3.3414457	0.0000000	0.0000000	1.0000000
1.6178476	2.3037386	3.332056	0.0000000	0.0000000	1.0000000
1.6674728	2.20247055	3.3268179	0.0000000	0.0000000	1.0000000
1.7162915	2.10042971	3.321215	0.0000000	0.0000000	1.0000000
1.764275	2.0772429	3.3162338	0.0000000	0.0000000	1.0000000
1.8121956	2.046115	3.3115468	0.0000000	0.0000000	1.0000000
1.8605531	2.0073956	3.3066025	0.0000000	0.0000000	1.0000000
1.9124623	2.0663946	3.3006623	0.0000000	0.0000000	1.0000000
1.9772413	2.0218050	3.2876302	0.0000000	0.0000000	1.0000000
CONT./MDI (81)	Y	Z	I	J	K
2.0942246	2.7703651	3.2462246	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					
DS IS/POINT	Y	Z	I	J	K
2.0942246	2.7703651	3.3462246	0.0000000	0.0000000	1.0000000
		CALL CARD NO.000540	TAPE NO. 400		
FEDRAT / 40.0000					
DS IS/POINT	Y	Z	I	J	K
1.6658789	2.9892751	3.4321424	0.0000000	0.0000000	1.0000000
FEDRAT / 12.0000					
DS IS/MDI (82)	Y	Z	I	J	K
1.6658789	2.9892751	3.3321424	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					
DS IS/MDI (82)	Y	Z	I	J	K
1.6178261	3.0024777	3.3381763	0.0000000	0.0000000	1.0000000
1.5642680	3.0038256	3.3462148	0.0000000	0.0000000	1.0000000
1.5112605	2.9931237	3.3554210	0.0000000	0.0000000	1.0000000
1.4565034	2.9705461	3.3655444	0.0000000	0.0000000	1.0000000
1.4052187	2.9422738	3.3763026	0.0000000	0.0000000	1.0000000
1.3030036	2.9779522	3.3934501	0.0000000	0.0000000	1.0000000
1.2523125	2.9473147	3.4091744	0.0000000	0.0000000	1.0000000

1.2045079	2.6227656	3.4191965	0.0000000	0.0000000	1.0000000
1.1578085	2.8055798	3.4281879	0.0000000	0.0000000	1.0000000
1.115192	2.7991630	3.4358344	0.0000000	0.0000000	1.0000000
1.0707454	2.8037635	3.4419151	0.0000000	0.0000000	1.0000000
1.0268434	2.8168333	3.4477467	0.0000000	0.0000000	1.0000000
0.9795989	2.8362682	3.4535598	0.0000000	0.0000000	1.0000000
0.9360921	2.8612407	3.4594066	0.0000000	0.0000000	1.0000000
0.8227315	2.9188653	3.4711332	0.0000000	0.0000000	1.0000000
0.7557349	2.9469269	3.4770242	0.0000000	0.0000000	1.0000000
0.7066119	2.9712379	3.4830174	0.0000000	0.0000000	1.0000000
0.6452671	2.9893227	3.4891941	0.0000000	0.0000000	1.0000000
0.5515134	2.9887126	3.4956736	0.0000000	0.0000000	1.0000000
0.5251797	2.9963987	3.5020526	0.0000000	0.0000000	1.0000000
0.4604472	2.9902856	3.5084026	0.0000000	0.0000000	1.0000000
0.4020828	2.9762023	3.5146360	0.0000000	0.0000000	1.0000000
0.3449764	2.9580658	3.5206523	0.0000000	0.0000000	1.0000000
0.2346561	2.9169302	3.5316235	0.0000000	0.0000000	1.0000000
0.1817250	2.8975017	3.5363339	0.0000000	0.0000000	1.0000000
0.1305054	2.8810536	3.5405656	0.0000000	0.0000000	1.0000000
0.0810198	2.8691680	3.5440830	0.0000000	0.0000000	1.0000000
0.0329779	2.8633833	3.5468706	0.0000000	0.0000000	1.0000000
-0.0159359	2.8617821	3.5489340	0.0000000	0.0000000	1.0000000
-0.0660072	2.8723096	3.5503343	0.0000000	0.0000000	1.0000000
-0.1174534	2.8844278	3.5511832	0.0000000	0.0000000	1.0000000
-0.1702756	2.8995761	3.5515738	0.0000000	0.0000000	1.0000000
-0.2795977	2.9324528	3.5513373	0.0000000	0.0000000	1.0000000
-0.3358350	2.9467927	3.5509045	0.0000000	0.0000000	1.0000000
-0.3932121	2.9574132	3.5504052	0.0000000	0.0000000	1.0000000
-0.4516495	2.9625542	3.5499525	0.0000000	0.0000000	1.0000000
-0.5113674	2.9604602	3.5496566	0.0000000	0.0000000	1.0000000
-0.5716032	2.9500990	3.5495671	0.0000000	0.0000000	1.0000000
-0.6311176	2.9327544	3.5496070	0.0000000	0.0000000	1.0000000
-0.6896980	2.9101754	3.5496675	0.0000000	0.0000000	1.0000000

CONT./MDI (B2)

	Y	Z	I	J	K
-0.7473590	2.8841213	3.5496395	0.0000000	0.0000000	1.0000000
-0.8594988	2.8285474	3.5483260	0.0000000	0.0000000	1.0000000
-0.9132580	2.8023689	3.5480940	0.0000000	0.0000000	1.0000000
-0.9648738	2.7793064	3.5468945	0.0000000	0.0000000	1.0000000
-1.0138674	2.7606343	3.5453159	0.0000000	0.0000000	1.0000000
-1.0599806	2.7477389	3.5433287	0.0000000	0.0000000	1.0000000
-1.1083663	2.7413186	3.5403343	0.0000000	0.0000000	1.0000000
-1.1595563	2.7405941	3.5364836	0.0000000	0.0000000	1.0000000
-1.2132243	2.7442250	3.5317186	0.0000000	0.0000000	1.0000000
-1.2685412	2.7507968	3.5262837	0.0000000	0.0000000	1.0000000
-1.3804425	2.7659841	3.5143478	0.0000000	0.0000000	1.0000000
-1.4355308	2.7707326	3.5083728	0.0000000	0.0000000	1.0000000
-1.4893960	2.7708299	3.5027371	0.0000000	0.0000000	1.0000000
-1.5418772	2.7641588	3.4976639	0.0000000	0.0000000	1.0000000
-1.5931661	2.7485803	3.4933167	0.0000000	0.0000000	1.0000000

FEDRAT / 40.0000

DS IS/POINT X
-1.5931661

DS IS/POINT

CARD NO. 000550 TAPE NO. 408

CARD NO. 000550 TAPE NO. 409

CARD NO. 000550 TAPE NO. 410
K

CARD NO. 000550 TAPE NO. 411

[illegible]

0.9818463	2.3189459	3.4557445	0.0000000	0.0000000	1.0000000
1.0285042	2.8033277	3.4493493	0.0000000	0.0000000	1.0000000
1.0710562	2.7947738	3.4431718	0.0000000	0.0000000	1.0000000
1.1118452	2.9241120	3.4370524	0.0000000	0.0000000	1.0000000
1.1543919	2.7946664	3.4298023	0.0000000	0.0000000	1.0000000
1.1991423	2.8140395	3.4213175	0.0000000	0.0000000	1.0000000
1.2476449	2.8353067	3.4118349	0.0000000	0.0000000	1.0000000
1.2990467	2.8608230	3.4016179	0.0000000	0.0000000	1.0000000
1.4060333	2.9159376	3.3802466	0.0000000	0.0000000	1.0000000
1.4597330	2.9403938	3.3697508	0.0000000	0.0000000	1.0000000
1.5129618	2.9589639	3.3599433	0.0000000	0.0000000	1.0000000
1.5656698	2.9686259	3.3510028	0.0000000	0.0000000	1.0000000
1.6181414	2.9662638	3.3432190	0.0000000	0.0000000	1.0000000
1.6645721	2.9527106	3.3374884	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000					
DS IS/POINT					
1.6645721	2.9527106	3.4374884	I	J	TAPE NO. 417
DS IS/POINT					
1.6634559	2.9151893	3.4428579	I	J	TAPE NO. 418
FEDRAT / 12.0000					
DS IS/MDI (84)					
1.6634559	2.9151893	3.4428579	I	J	TAPE NO. 419
FEDRAT / 40.0000					
DS IS/MDI (84)					
1.6187219	2.9280553	3.3483145	I	J	TAPE NO. 421
1.5678628	2.9323038	3.3557891	0.0000000	0.0000000	1.0000000
1.5158622	2.9247752	3.3644462	0.0000000	0.0000000	1.0000000
1.4624681	2.9093006	3.3740295	0.0000000	0.0000000	1.0000000
1.4077317	2.8887382	3.3842104	0.0000000	0.0000000	1.0000000
1.2971448	2.8430324	3.4048360	0.0000000	0.0000000	1.0000000
1.2440762	2.8223300	3.4145413	0.0000000	0.0000000	1.0000000
1.1943832	2.8050728	3.4234818	0.0000000	0.0000000	1.0000000
1.1509559	2.7923006	3.4315114	0.0000000	0.0000000	1.0000000
1.1107316	2.7856278	3.4344736	0.0000000	0.0000000	1.0000000
1.0720743	2.7857126	3.4384964	0.0000000	0.0000000	1.0000000
1.0294493	2.7911473	3.4514112	0.0000000	0.0000000	1.0000000
0.9822386	2.8015795	3.4584473	0.0000000	0.0000000	1.0000000
0.9310079	2.8164302	3.4656725	0.0000000	0.0000000	1.0000000
0.8203897	2.8544572	3.4797855	0.0000000	0.0000000	1.0000000
0.7624463	2.8741214	3.4864807	0.0000000	0.0000000	1.0000000
0.7031398	2.8915169	3.4929799	0.0000000	0.0000000	1.0000000
0.6424077	2.9045291	3.4993958	0.0000000	0.0000000	1.0000000
0.5799974	2.9110453	3.5058676	0.0000000	0.0000000	1.0000000
0.5206797	2.9102876	3.5120329	0.0000000	0.0000000	1.0000000

CONT./MDI (84)		CARD NO. 000550		TAPE NO. 424	
X	Y	Z	I	J	K
0.4625285	2.5038651	3.5181124	0.0000000	0.0000000	1.0000000
0.4051622	2.8931936	3.5240416	0.0000000	0.0000000	1.0000000
0.3484156	2.7974623	3.5297248	0.0000000	0.0000000	1.0000000
0.2371271	2.4501353	3.5393273	0.0000000	0.0000000	1.0000000
0.1832122	2.8366230	3.5442674	0.0000000	0.0000000	1.0000000
0.1310255	2.8253447	3.5480376	0.0000000	0.0000000	1.0000000
0.0808394	2.8171591	3.5512428	0.0000000	0.0000000	1.0000000
0.0324509	2.8128154	3.5539093	0.0000000	0.0000000	1.0000000
-0.0164421	2.8129606	3.5560979	0.0000000	0.0000000	1.0000000
-0.0667966	2.8170977	3.5576411	0.0000000	0.0000000	1.0000000
-0.1185292	2.8244085	3.5591600	0.0000000	0.0000000	1.0000000
-0.1723591	2.8340163	3.5600587	0.0000000	0.0000000	1.0000000
-0.2825185	2.8558553	3.5607143	0.0000000	0.0000000	1.0000000
-0.3385742	2.8655967	3.5606096	0.0000000	0.0000000	1.0000000
-0.3951229	2.8727474	3.5603489	0.0000000	0.0000000	1.0000000
-0.4522549	2.8759154	3.5600425	0.0000000	0.0000000	1.0000000
-0.5102540	2.8737342	3.5597920	0.0000000	0.0000000	1.0000000
-0.5692322	2.8654196	3.5596137	0.0000000	0.0000000	1.0000000
-0.6275618	2.8519728	3.5594313	0.0000000	0.0000000	1.0000000
-0.6862383	2.8347830	3.5591206	0.0000000	0.0000000	1.0000000
FEDRAT / 40.0000		CARD NO. 000550		TAPE NO. 425	
X	Y	Z	I	J	K
-0.7443125	2.8152595	3.5585750	0.0000000	0.0000000	1.0000000
-0.8018772	2.7947962	3.5578945	0.0000000	0.0000000	1.0000000
-0.9136922	2.7502033	3.5546584	0.0000000	0.0000000	1.0000000
-0.9665554	2.7401823	3.5526203	0.0000000	0.0000000	1.0000000
-1.0163196	2.7272546	3.5503026	0.0000000	0.0000000	1.0000000
-1.0624997	2.7177208	3.5478324	0.0000000	0.0000000	1.0000000
-1.1113795	2.7110715	3.5449502	0.0000000	0.0000000	1.0000000
-1.1633512	2.7065243	3.5414331	0.0000000	0.0000000	1.0000000
-1.2181241	2.7041195	3.5372422	0.0000000	0.0000000	1.0000000
-1.2746693	2.7037285	3.5323097	0.0000000	0.0000000	1.0000000
-1.3679539	2.7057417	3.5214188	0.0000000	0.0000000	1.0000000
-1.4427201	2.7054664	3.5158311	0.0000000	0.0000000	1.0000000
-1.4953699	2.7022296	3.5105353	0.0000000	0.0000000	1.0000000
-1.5457030	2.6944092	3.5057468	0.0000000	0.0000000	1.0000000
-1.5941290	2.6803853	3.5015818	0.0000000	0.0000000	1.0000000
DS 1S/POINT		CARD NO. 000550		TAPE NO. 426	
X	Y	Z	I	J	K
-1.5941290	2.6803853	3.6015818	0.0000000	0.0000000	1.0000000
RAPID		CARD NO. 000560		TAPE NO. 428	
DS 1S	X	Z	I	J	K
-1.5941290	12.6803853	3.6015818	0.0000000	0.0000000	1.0000000
RAPID		CARD NO. 000580		TAPE NO. 432	
DS 1S	X	Z	I	J	K
-1.5941290	12.6803853	3.6015818	0.0000000	0.0000000	1.0000000

CALL CARD NO. 000680 TAPE NO. 433

CARD NO.000600	TAPE NO.	435
CARD NO.000610	TAPE NO.	437
CARD NO.000620	TAPE NO.	439
CARD NO.000630	TAPE NO.	441
CARD NO.000640	TAPE NO.	443
CARD NO.000650	TAPE NO.	445
CARD NO.000690	TAPE NO.	447

COOLNT / OFF

SPINDL / OFF

RETRACT

CODEL

REWIND / 1.0000

END

FINI
BEGIN SECTION 4

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
REWIND STOP										
SECOND/ 1. *****										
TMARK N AUTO										
	N001 T0912									
10.0	N002 M06	0.0000	1.0000	0.0000	-0.000	0.000	TLAUTO	18	000280	0
	N003 B180000 F60	0.0000								
212.6	N004 G41 S730 M03	0.0000	1.0000	0.0000	-0.000	180.000	ROTABL	22	000300	0
	N005 X160000 Y148000 Z-62500 F94									
	N006 G04 F3000	16.0000	15.8000	-6.2500	-0.000	180.000	PT-LIN	34	000360	0
150.0	N007 M08	0.0000								
	N008 Z-80000 F188	16.0000	15.8000	-14.2500	-0.000	180.000	PT-LIN	44	000450	0
	N009 G04 F3000	0.0000								
150.0	N010 M00									
	N011 G41 S725 M03									
150.0	N012 M08									
	N013 X-80000 F187									
	N014 G04 F3000									
150.0	N015 Y-80000 F188	8.0000	15.8000	-14.2500	-0.000	180.000	PT-LIN	58	000510	0
	N016 G04 F3000	0.0000								
40.0	N017 X57485 Y24564 Z20372 F61	8.0000	7.8000	-14.2500	-0.000	180.000	PT-LIN	60	000530	0
		0.0000								
12.0	N018 Z-1000 F1200	13.7485	10.2564	-12.2128	-0.000	180.000	PT-LIN	64	000534	0
		0.0000								
40.0	N019 X585 Y151 Z155 F6414	13.7485	10.2564	-12.3128	-0.000	180.000	PT-LIN	68	000534	0
40.0	N020 X577 Y205 Z117 F6415	0.0000								
40.0	N021 X567 Y237 Z80 F6437									
40.0	N022 X560 Y250 Z71 F6478									
40.0	N023 X560 Y244 Z68 F6538									
23.0	N024 X125 Y118 Z15 F9000									
25.6	N025 X249 Y136 Z15 F9000									
40.0	N026 X571 Y307 Z31 F6165									
40.0	N027 X657 Y321 Z42 F5658									
34.8	N028 X354 Y155 Z21 F5000									
35.6	N029 X668 Y143 Z28 F9000									
36.1	N030 X679 Y128 Z32 F9000									
38.5	N031 X390 Y109 Z37 F9474									
36.2	N032 X371 Y90 Z37 F9474									
36.3	N033 X433 Y83 Z51 F8182									
40.0	N034 X1032 Y155 Z133 F3804									
40.0	N035 X181 Y155 Z152 F3030									

40.0 N036 X1245 Y168 Z142 F3165
40.0 N037 X621 Y93 Z59 F6337
40.0 N038 X613 Y102 Z45 F6424
40.0 N039 X521 Y134 Z11 F7432
40.0 N040 X519 Y191 Z-20 F7230
40.0 N041 X1037 Y498 Z-112 F3461

FEEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N042 X1072 Y558 Z-172 F3276									
40.0	N043 X568 Y262 Z-183 F6329									
40.0	N044 X600 Y226 Z-277 F6200									
40.0	N045 X635 Y169 Z-52 F6069									
40.0	N046 X669 Y93 Z-15 F5920									
40.0	N047 X675 Y30 Z-59 F5915									
40.0	N048 X654 Y-1 Z-11 F6114									
40.0	N049 X633 Y-25 Z13 F6321									
40.0	N050 X610 Y-43 Z13 F6536									
40.0	N051 X1156 Y-115 Z20 F3442									
40.0	N052 X1074 Y-113 Z4 F3706									
40.0	N053 X506 Y-42 Z-18 F7874									
40.0	N054 X486 Y-25 Z-19 F8217									
40.0	N055 X519 Y-42 Z-9 F7674									
40.0	N056 X1084 Y-212 Z-50 F3619									
40.0	N057 X1130 Y-304 Z-9 F3410									
40.0	N058 X1139 Y-307 Z31 F3390									
40.0	N059 X562 Y-131 Z-8 F6930									
40.0	N060 X556 Y-105 Z-26 F7065									
40.0	N061 X552 Y-72 Z-45 F7161									
40.0	N062 X539 Y-60 Z-53 F7346									
40.0	N063 X544 Y-75 Z-50 F7246									
40.0	N064 X1106 Y-188 Z-99 F3553									
40.0	N065 X1125 Y-219 Z-107 F3474									
40.0	N066 X1143 Y-231 Z-128 F3411									
40.0	N067 X1157 Y-223 Z-162 F3361									
40.0	N068 X1294 Y-210 Z-237 F3000									
40.0	N069 X1282 Y-205 Z-272 F3017									
40.0	N070 X1200 Y-191 Z-276 F3209									
40.0	N071 X1022 Y-173 Z-241 F3759									
40.0	N072 X733 Y-154 Z-164 F5217									
40.0	N073 X662 Y-133 Z-162 F5761									
40.0	N074 X672 Y-109 Z-194 F5554									
40.0	N075 X677 Y-118 Z-211 F5561									
40.0	N076 X673 Y-162 Z-208 F5531									
40.0	N077 X655 Y-233 Z-180 F5562									
40.0	N078 Z1000 F4000									
40.0	N079 X-41 Y-283 Z171 F11989									
12.0	N080 Z-1000 F1200									
40.0	N081 X-674 Y233 Z118 F5425									
40.0	N082 X-672 Y185 Z189 F5535									
40.0	N083 X-665 Y152 Z183 F5065									
40.0	N084 X-654 Y131 Z172 F5811									
40.0	N085 X-640 Y123 Z156 F5463									
16.4311	10.6846 -12.2125	-0.000	180.000	PT-LIN	68	000534	0			
0.0000										
18.0465	10.3846 -12.4948	-0.000	180.000	PT-LIN	69	000534	0			
0.0000										
18.0465	10.3846 -12.3948	-0.000	180.000	PT-LIN	71	000534	0			
0.0000										
18.0424	10.3557 -12.3777	-0.000	180.000	PT-LIN	72	000534	0			
0.0000										
18.0424	10.3557 -12.4777	-0.000	180.000	PT-LIN	74	000534	0			
0.0000										

40.0 N086 X-738 Y135 Z174 F5193

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N136 X-587 Y-246 Z-76 F6241								
40.0	N137 X-580 Y-238 Z-88 F6320								
40.0	N138 X-577 Y-217 Z-106 F6390								
40.0	N139 X-577 Y-179 Z-131 F6470								
40.0	N140 X-574 Y-127 Z-162 F6567	13.7492	10.2288	-12.2994	-0.000	180.000	PT-LIN	77 000534	0
		0.0000							
40.0	N141 Z-1000 F4000								
39.6	N142 X14 Y-278 Z134 F12857	13.7492	10.2288	-12.1994	-0.000	180.000	PT-LIN	79 000534	0
		0.0000							
12.0	N143 Z-1000 F1200								
40.0	N144 X566 Y109 Z167 F6667								
40.0	N145 X578 Y155 Z144 F6501								
40.0	N146 X588 Y191 Z123 F6350								
40.0	N147 X596 Y220 Z103 F6209								
40.0	N148 X608 Y241 Z86 F6064								
26.7	N149 X265 Y132 Z22 F9000								
29.7	N150 X273 Y154 Z12 F9474								
40.0	N151 X576 Y350 Z9 F5936								
40.0	N152 X620 Y366 Z3 F5552								
33.4	N153 X329 Y174 Z5 F9000								
33.8	N154 X340 Y160 Z11 F9000								
34.1	N155 X352 Y139 Z18 F9000								
36.2	N156 X364 Y114 Z28 F9474								
36.4	N157 X372 Y90 Z36 F9474								
36.3	N158 X434 Y79 Z52 F8182								
40.0	N159 X1030 Y142 Z136 F3814								
40.0	N160 X1177 Y147 Z152 F3345								
40.0	N161 X1235 Y177 Z134 F3187								
40.0	N162 X614 Y108 Z50 F6402								
40.0	N163 X600 Y127 Z32 F6517								
40.0	N164 X490 Y148 Z3 F7806								
40.0	N165 X500 Y179 Z-10 F7525								
40.0	N166 X1037 Y415 Z-51 F3578								
40.0	N167 X1103 Y438 Z-73 F3365								
40.0	N168 X586 Y204 Z-38 F6438								
40.0	N169 X613 Y182 Z-33 F6246								
40.0	N170 X643 Y149 Z-26 F6053								
40.0	N171 X675 Y104 Z-16 F5859								
40.0	N172 X652 Y57 Z-7 F6106								
40.0	N173 X639 Y17 F6261								
40.0	N174 X622 Y-14 Z7 F6425								
40.0	N175 X605 Y-41 Z10 F6597								
40.0	N176 X1156 Y-134 Z29 F3436								
40.0	N177 X1089 Y-163 Z27 F3633								
40.0	N178 X522 Y-77 Z8 F7580								
40.0	N179 X509 Y-67 Z1 F7791								
40.0	N180 X571 Y-60 Z-10 F6959								
40.0	N181 X1141 Y-118 Z-42 F3486								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N182 X1129 Y-120 Z-65 F3517								
40.0	N183 X1106 Y-128 Z-79 F3584	16.4410	10.6356	-12.1902	-0.000	180.000	PT-LIN 84	000534	0
		0.0000							
40.0	N184 X541 Y-70 Z-42 F7314								
40.0	N185 X531 Y-76 Z-41 F7431								
40.0	N186 X522 Y-82 Z-39 F7555								
40.0	N187 X533 Y-93 Z-39 F7378								
40.0	N188 X537 Y-103 Z-38 F7288								
40.0	N189 X1093 Y-227 Z-80 F3575								
40.0	N190 X1116 Y-242 Z-97 F3489								
40.0	N191 X1140 Y-239 Z-124 F3417								
40.0	N192 X577 Y-112 Z-76 F6742								
40.0	N193 X582 Y-104 Z-88 F6689								
40.0	N194 X1288 Y-203 Z-339 F3017								
40.0	N195 X1278 Y-191 Z-274 F3029								
40.0	N196 X1198 Y-174 Z-278 F3220								
40.0	N197 X1021 Y-151 Z-247 F3770								
40.0	N198 X737 Y-120 Z-179 F5211								
40.0	N199 X633 Y-126 Z-151 F6 30								
40.0	N200 X644 Y-153 Z-156 F5884								
40.0	N201 X654 Y-180 Z-161 F5738								
40.0	N202 X664 Y-206 Z-171 F5589								
40.0	N203 X674 Y-232 Z-185 F5434								
40.0	N204 Z1000 F4000	18.0373	10.3272	-12.4607	-0.000	180.000	PT-LIN 85	000534	0
		0.0000							
40.0	N205 X-54 Y-287 Z167 F11892	18.0373	10.3272	-12.3607	-0.000	180.000	PT-LIN 87	000534	0
		0.0000							
12.0	N206 Z-1000 F1200	18.0319	10.2985	-12.3440	-0.000	180.000	PT-LIN 88	000534	0
		0.0000							
40.0	N207 X-661 Y235 Z173 F5535	18.0319	10.2985	-12.4440	-0.000	180.000	PT-LIN 90	000534	0
40.0	N208 X-651 Y224 Z155 F5671								
40.0	N209 X-645 Y203 Z145 F5788								
40.0	N210 X-640 Y174 Z143 F5895								
40.0	N211 X-636 Y133 Z148 F6000								
40.0	N212 X-734 Y113 Z179 F5237								
40.0	N213 X-1019 Y137 Z250 F3779								
40.0	N214 X-1197 Y160 Z282 F3226								
40.0	N215 X-1276 Y179 Z276 F3035								
40.0	N216 X-1285 Y197 Z240 F3026								
40.0	N217 X-581 Y105 Z87 F6701								
40.0	N218 X-576 Y116 Z74 F6758								
40.0	N219 X-1134 Y251 Z118 F3427								
40.0	N220 X-1109 Y259 Z89 F3500								
40.0	N221 X-1086 Y244 Z74 F3595								
40.0	N222 X-536 Y110 Z36 F7306								
40.0	N223 X-530 Y97 Z37 F7396								
40.0	N224 X-523 Y78 Z43 F7550								
40.0	N225 X-531 Y56 Z51 F7450								

40.0 N226 X-540 Y40 Z58 F7355

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N227 X-1099 Y46 Z121 F3613									
40.0	N228 X-1125 Y35 Z111 F3537									
40.0	N229 X-1147 Y61 Z79 F3475									
40.0	N230 X-580 Y52 Z19 F6868									
40.0	N231 X-522 Y69 Z3 F7594									
40.0	N232 X-532 Y82 Z-7 F7429									
40.0	N233 X-1099 Y178 Z-28 F3590									
40.0	N234 X-1156 Y151 Z-35 F3430									
40.0	N235 X-601 Y48 Z-14 F6630									
40.0	N236 X-617 Y21 Z-10 F6482									
40.0	N237 X-631 Y-14 Z-4 F6339									
40.0	N238 X-643 Y-54 Z5 F6201									
40.0	N239 X-665 Y-99 Z10 F5942									
40.0	N240 X-639 Y-134 Z15 F6124									
40.0	N241 X-614 Y-162 Z19 F6304									
40.0	N242 X-590 Y-180 Z20 F6483									
40.0	N243 X-1117 Y-387 Z39 F3381									
40.0	N244 X-1047 Y-376 Z25 F3592									
40.0	N245 X-502 Y-168 Z3 F7561									
39.9	N246 X-488 Y-146 Z-6 F7826	14.9015	10.5119	-12.1417	-0.000	180.000	PT-LIN	92	000534	0
		0.0000								
40.0	N247 X-593 Y-128 Z-32 F6585									
40.0	N248 X-609 Y-110 Z-45 F6450									
40.0	N249 X-1228 Y-180 Z-130 F3204									
40.0	N250 X-1174 Y-150 Z-148 F3355									
40.0	N251 X-1028 Y-145 Z-133 F3820									
36.4	N252 X-434 Y-80 Z-51 F8182									
30.2	N253 X-374 Y-90 Z-37 F7826									
29.5	N254 X-357 Y-116 Z-25 F7826									
30.6	N255 X-343 Y-147 Z-13 F8182									
31.8	N256 X-329 Y-171 Z-2 F8571									
30.0	N257 X-315 Y-188 Z4 F8182									
40.0	N258 X-598 Y-395 Z17 F5582									
40.0	N259 X-570 Y-375 Z3 F5856									
25.4	N260 X-281 Y-163 Z-11 F7826									
24.5	N261 X-281 Y-136 Z-24 F7826									
40.0	N262 X-621 Y-231 Z-95 F5971									
40.0	N263 X-611 Y-196 Z-118 F8132									
40.0	N264 X-598 Y-161 Z-140 F6301									
40.0	N265 X-583 Y-128 Z-156 F8481									
40.0	N266 X-566 Y-97 Z-171 F6677	13.7522	10.1732	-12.2728	-0.000	180.000	PT-LIN	93	000534	0
		0.0000								
40.0	N267 Z1000 F4000	13.7522	10.1732	-12.1728	-0.000	180.000	PT-LIN	95	000534	0
		0.0000								
37.0	N268 X13 Y-280 Z128 F12000	13.7535	10.1452	-12.1600	-0.000	180.000	PT-LIN	96	000534	0
		0.0000								
12.0	N269 Z-1000 F1200	13.7535	10.1452	-12.2600	-0.000	180.000	PT-LIN	98	000534	0
		0.0000								
40.0	N270 X577 Y91 Z176 F6564	13.7535	10.1452	-12.2600	-0.000	180.000	PT-LIN	98	000534	0
		0.0000								

40.0 N271 X594 Y101 Z170 F6388

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N272 X610 Y127 Z156 F6223								
40.0	N273 X623 Y164 Z133 F6081								
40.0	N274 X628 Y215 Z100 F5962								
30.7	N275 X291 Y140 Z27 F9474								
28.5	N276 X285 Y171 Z9 F8571								
40.0	N277 X559 Y403 Z-17 F5803								
40.0	N278 X571 Y429 Z-35 F5593								
32.9	N279 X302 Y204 Z-14 F9000								
35.0	N280 X320 Y184 Z-4 F9474								
33.6	N281 X339 Y156 Z8 F9000								
35.7	N282 X357 Y119 Z24 F9474								
36.5	N283 X373 Y91 Z36 F9474								
36.3	N284 X433 Y82 Z49 F8182								
40.0	N285 X1027 Y154 Z128 F3827								
40.0	N286 X1169 Y157 Z142 F3364								
40.0	N287 X1224 Y183 Z129 F3217								
40.0	N288 X605 Y107 Z50 F6488								
40.0	N289 X589 Y122 Z35 F6637								
40.0	N290 X492 Y136 Z11 F7837								
40.0	N291 X507 Y154 Z6 F7546								
40.0	N292 X1062 Y340 Z-3 F3587								
40.0	N293 X1130 Y343 Z-13 F3387								
40.0	N294 X592 Y159 Z-7 F6525								
40.0	N295 X612 Y140 Z-7 F6374								
40.0	N296 X632 Y117 Z-6 F6225								
40.0	N297 X653 Y86 Z-3 F6072								
40.0	N298 X633 Y44 Z1 F6301								
40.0	N299 X622 Y1 Z10 F6426								
40.0	N300 X610 Y-34 Z16 F6552								
40.0	N301 X595 Y-62 Z20 F6677								
40.0	N302 X1152 Y-172 Z41 F3432								
40.0	N303 X1108 Y-187 Z25 F3558								
40.0	N304 X542 Y-79 Z1 F7312								
40.0	N305 X533 Y-60 Z-10 F7442								
40.0	N306 X582 Y-34 Z-30 F6859								
40.0	N307 X1145 Y3 Z-109 F3478								
40.0	N308 X1119 Y47 Z-147 F3541								
40.0	N309 X1098 Y30 Z-155 F3607								
40.0	N310 X541 Y-8 Z-72 F7316								
40.0	N311 X537 Y-33 Z-64 F7385								
40.0	N312 X531 Y-65 Z-50 F7454								
40.0	N313 X532 Y-93 Z-41 F7381								
40.0	N314 X536 Y-110 Z-37 F7296								
40.0	N315 X1083 Y-259 Z-69 F3584								
40.0	N316 X1102 Y-282 Z-80 F3507								
40.0	N317 X1126 Y-271 Z-109 F3440								
40.0	N318 X572 Y-123 Z-70 F6789								
40.0	N319 X578 Y-108 Z-85 F6734								
40.0	N320 X1280 Y-193 Z-239 F3039								
16.4430			10.5824	-12.1657	-0.000	180.000	PT-LIN	100	000534
0.0000									0

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N321 X1273 Y-164 Z-280 F3043								
40.0	N322 X1196 Y-141 Z-286 F3232								
40.0	N323 X1019 Y-123 Z-254 F3784								
40.0	N324 X735 Y-113 Z-177 F5235								
40.0	N325 X643 Y-147 Z-143 F5923								
40.0	N326 X640 Y-190 Z-134 F5873								
40.0	N327 X637 Y-222 Z-134 F5822								
40.0	N328 X636 Y-239 Z-140 F5762								
40.0	N329 X641 Y-245 Z-158 F5682								
40.0	N330 Z1000 F4000	18.0268	10.2695	-12.4279	-0.000	180.000	PT-LIN 101	000534	0
		0.0000							
40.0	N331 X-42 Y-295 Z153 F11943	18.0268	10.2695	-12.3279	-0.000	180.000	PT-LIN 103	000534	0
		0.0000							
12.0	N332 Z-1000 F1200	18.0226	10.2400	-12.3126	-0.000	180.000	PT-LIN 104	000534	0
		0.0000							
28.1	N333 X-309 Y132 Z71 F8182	18.0226	10.2400	-12.4126	-0.000	180.000	PT-LIN 106	000534	0
40.0	N334 X-621 Y259 Z134 F5836								
40.0	N335 X-626 Y245 Z128 F5845								
40.0	N336 X-635 Y220 Z127 F5846								
40.0	N337 X-645 Y187 Z131 F5845								
40.0	N338 X-658 Y142 Z142 F5818								
40.0	N339 X-895 Y112 Z222 F4305								
40.0	N340 X-1121 Y112 Z282 F3445								
40.0	N341 X-1244 Y129 Z293 F3113								
40.0	N342 X-1277 Y164 Z265 F3043								
40.0	N343 X-633 Y100 Z110 F6151								
40.0	N344 X-572 Y115 Z81 F6792								
40.0	N345 X-566 Y133 Z66 F6835								
40.0	N346 X-1115 Y301 Z97 F3452								
40.0	N347 X-1096 Y310 Z68 F3504								
40.0	N348 X-1087 Y273 Z66 F3565								
40.0	N349 X-540 Y107 Z40 F7235								
40.0	N350 X-540 Y79 Z50 F7311								
40.0	N351 X-543 Y41 Z63 F7298								
40.0	N352 X-545 Y5 Z76 F7262								
40.0	N353 X-547 Y-24 Z86 F7220								
40.0	N354 X-1099 Y-104 Z183 F3575								
40.0	N355 X-1113 Y-127 Z173 F3529								
40.0	N356 X-1137 Y-74 Z132 F3485								
40.0	N357 X-579 Y8 Z40 F6893								
40.0	N358 X-543 Y43 Z20 F7338								
40.0	N359 X-548 Y70 Z6 F7237								
40.0	N360 X-1113 Y191 Z-21 F3544								
40.0	N361 X-1142 Y198 Z-45 F3446								
40.0	N362 X-588 Y80 Z-25 F6741								
40.0	N363 X-600 Y54 Z-22 F6633								
40.0	N364 X-613 Y18 Z-18 F6520								
40.0	N365 X-624 Y-25 Z-9 F6402								
40.0	N366 X-638 Y-68 Z-5 F6234								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N367 X-623 Y-97 Z-2 F6342								
40.0	N368 X-609 Y-120 Z-2 F6450								
40.0	N369 X-593 Y-138 Z-2 F6565								
40.0	N370 X-1141 Y-308 Z-5 F3386								
40.0	N371 X-1079 Y-305 Z-16 F3568								
40.0	N372 X-516 Y-137 Z-14 F7498	14.9513	10.4704	-12.1160	-0.000	180.000	PT-LIN	108 000534	0
		0.0000							
40.0	N373 X-499 Y-119 Z-21 F7792								
40.0	N374 X-590 Y-108 Z-41 F6647								
40.0	N375 X-605 Y-101 Z-53 F6500								
40.0	N376 X-1221 Y-184 Z-127 F3221								
40.0	N377 X-1167 Y-171 Z-136 F3368								
40.0	N378 X-1023 Y-168 Z-120 F3835								
36.1	N379 X-430 Y-87 Z-47 F8182								
29.9	N380 X-370 Y-91 Z-35 F7826								
31.4	N381 X-363 Y-122 Z-24 F8182								
30.9	N382 X-339 Y-167 Z-5 F8182								
30.4	N383 X-314 Y-199 Z-11 F8182								
30.0	N384 X-291 Y-221 Z-21 F8182								
40.0	N385 X-542 Y-468 Z-54 F5575								
40.0	N386 X-538 Y-435 Z-31 F5774								
26.3	N387 X-285 Y-179 Z-7 F7826								
24.7	N388 X-296 Y-142 Z-28 F7500								
40.0	N389 X-624 Y-193 Z-105 F6044								
40.0	N390 X-633 Y-127 Z-145 F6046								
40.0	N391 X-627 Y-86 Z-173 F6103								
40.0	N392 X-613 Y-74 Z-184 F6206								
40.0	N393 X-600 Y-91 Z-182 F6310	13.7543	10.1171	-12.2476	-0.000	180.000	PT-LIN	109 000534	0
		0.0000							
40.0	N394 Z1000 F4000								
40.0	N395 X20 Y-287 Z127 F12732	13.7543	10.1171	-12.1476	-0.000	180.000	PT-LIN	111 000534	0
		0.0000							
12.0	N396 Z-1000 F1200	13.7563	10.0884	-12.1349	-0.000	180.000	PT-LIN	112 000534	0
		0.0000							
40.0	N397 X622 Y58 Z201 F6099	13.7563	10.0884	-12.2349	-0.000	180.000	PT-LIN	114 000534	0
40.0	N398 X622 Y87 Z178 F6130								
40.0	N399 X618 Y122 Z150 F6171								
40.0	N400 X509 Y165 Z122 F6227								
40.0	N401 X592 Y212 Z88 F6299								
29.3	N402 X276 Y139 Z23 F9474								
27.6	N403 X272 Y173 Z7 F8571								
40.0	N404 X537 Y413 Z-19 F5897								
40.0	N405 X559 Y447 Z-36 F5581								
33.3	N406 X303 Y213 Z-14 F9000								
35.8	N407 X324 Y135 Z-4 F9474								
34.7	N408 X348 Y167 Z8 F9000								
35.4	N409 X371 Y128 Z23 F9000								
35.9	N410 X364 Y101 Z30 F9474								

36.1 N411 X428 Y99 Z41 F8182

FEEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N412 X1020 Y191 Z110 F3331								
40.0	N413 X1167 Y185 Z130 F3364								
40.0	N414 X1224 Y182 Z129 F3216								
40.0	N415 X608 Y91 Z58 F6481								
40.0	N416 X596 Y92 Z49 F6611								
40.0	N417 X510 Y93 Z33 F7695								
40.0	N418 X530 Y101 Z30 F7397								
40.0	N419 X1114 Y216 Z54 F3523								
40.0	N420 X1166 Y213 Z40 F3374								
40.0	N421 X595 Y96 Z16 F6633								
40.0	N422 X600 Y85 Z12 F6596								
40.0	N423 X605 Y70 Z9 F6573								
40.0	N424 X608 Y51 Z7 F6547								
40.0	N425 X602 Y26 Z8 F6639								
40.0	N426 X595 Y1 Z7 F6724								
40.0	N427 X588 Y-19 Z0 F6795								
40.0	N428 X583 Y-33 Z6 F6859								
40.0	N429 X1146 Y-88 F3479								
40.0	N430 X1121 Y-80 Z-23 F3560								
40.0	N431 X548 Y-22 Z-24 F7275								
40.0	N432 X540 Y-3 Z-33 F7399								
40.0	N433 X566 Y24 Z-51 F7036								
40.0	N434 X1119 Y121 Z-145 F3525								
40.0	N435 X1107 Y166 Z-186 F3525								
40.0	N436 X1108 Y142 Z-199 F3523								
40.0	N437 X559 Y41 Z-94 F7042								
40.0	N438 X562 Y7 Z-85 F7036								
40.0	N439 X565 Y-34 Z-70 F7021								
40.0	N440 X559 Y-83 Z-50 F7045								
40.0	N441 X554 Y-128 Z-33 F7020								
40.0	N442 X1093 Y-34 Z-36 F3490								
40.0	N443 X1083 Y-392 Z-33 F3471								
40.0	N444 X1093 Y-360 Z-69 F3463								
40.0	N445 X555 Y-152 Z-57 F6917								
40.0	N446 X561 Y-121 Z-76 F6908								
40.0	N447 X626 Y-99 Z-109 F6221								
40.0	N448 X1269 Y-157 Z-262 F3065								
40.0	N449 X1240 Y-117 Z-294 F3125								
40.0	N450 X1121 Y-97 Z-283 F3447								
40.0	N451 X904 Y-101 Z-228 F3469								
40.0	N452 X673 Y-134 Z-150 F5695								
40.0	N453 X655 Y-167 Z-145 F5788								
40.0	N454 X647 Y-205 Z-139 F5773								
40.0	N455 X632 Y-257 Z-126 F5762								
40.0	N456 X610 Y-318 Z-105 F5747								
40.0	N457 X294 Y-185 Z-43 F11453								
40.0	N458 Z1000 F4000								
16.4374		10.5505	-12.1506	-0.000	180.000	PT-LIN	118	000534	0
0.0000									
18.0229		10.2096	-12.3993	-0.000	180.000	PT-LIN	117	000534	0
0.0000									
18.0229		10.2096	-12.2993	-0.000	180.000	PT-LIN	119	000534	0
0.0000									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECH	IN-CRO	QT-CRO
40.0	N459 X48 Y-323 Z117 F11502	18.0277	10.1773	-12.2876	-0.000	180.000	PT-LIN 120	000534	0
		0.0000							
12.0	N460 Z-1000 F1200	18.0277	10.1773	-12.3876	-0.000	180.000	PT-LIN 122	000534	0
		0.0000							
40.0	N461 X-505 Y404 Z82 F5459								
40.0	N462 X-537 Y320 Z111 F5544								
40.0	N463 X-655 Y246 Z132 F5618								
40.0	N464 X-661 Y189 Z145 F5691								
40.0	N465 X-661 Y150 Z146 F5769								
31.8	N466 X-357 Y59 Z83 F8571								
40.0	N467 X-912 Y88 Z232 F4231								
40.0	N468 X-1121 Y79 Z287 F3450								
40.0	N469 X-1235 Y101 Z295 F3140								
40.0	N470 X-1260 Y140 Z231 F3089								
40.0	N471 X-618 Y97 Z107 F6297								
40.0	N472 X-547 Y124 Z73 F7077								
40.0	N473 X-1082 Y346 Z90 F3511								
40.0	N474 X-1073 Y420 Z38 F3468								
40.0	N475 X-1088 Y414 Z20 F3436								
40.0	N476 X-55 Y175 Z18 F6841								
40.0	N477 X-569 Y138 Z32 F6823								
40.0	N478 X-580 Y85 Z53 F6798								
40.0	N479 X-582 Y31 Z74 F6813								
40.0	N480 X-576 Y-14 Z87 F6866								
40.0	N481 X-568 Y-48 Z97 F6912								
40.0	N482 X-1119 Y-157 Z200 F3488								
40.0	N483 X-1104 Y-180 Z184 F3529								
40.0	N484 X-1104 Y-139 Z145 F3569								
40.0	N485 X-555 Y-37 Z53 F7160								
40.0	N486 X-539 Y-16 Z40 F7399								
40.0	N487 X-549 Y-1 Z31 F7272								
40.0	N488 X-1122 Y26 Z30 F5562								
40.0	N489 X-1143 Y39 Z15 F3498								
40.0	N490 X-576 Y13 F6935								
40.0	N491 X-580 Y4 Z-3 F6902								
40.0	N492 X-583 Y-10 Z-4 F6861								
40.0	N493 X-587 Y-27 Z-6 F6801								
40.0	N494 X-589 Y-46 Z-7 F6770								
40.0	N495 X-590 Y-61 Z-9 F6750								
40.0	N496 X-590 Y-72 Z-12 F6726								
40.0	N497 X-590 Y-81 Z-17 F6716								
40.0	N498 X-1169 Y-173 Z-47 F3381								
40.0	N499 X-1133 Y-173 Z-66 F3486								
40.0	N500 X-543 Y-82 Z-38 F7263								
40.0	N501 X-524 Y-80 Z-38 F7520								
40.0	N502 X-605 Y-83 Z-53 F6530								
40.0	N503 X-613 Y-86 Z-60 F6428								
40.0	N504 X-1230 Y-182 Z-130 F3200								
40.0	N505 X-1170 Y-194 Z-128 F3353								
		14.9568	10.4150	-12.0916	-0.000	180.000	PT-LIN 124	000534	0
		0.0000							

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N506 X-1021 Y-204 Z-105 F3824									
34.5	N507 X-426 Y-105 Z-39 F7826									
29.4	N508 X-359 Y-107 Z-27 F7826									
31.2	N509 X-375 Y-132 Z-24 F7826									
36.9	N510 X-353 Y-166 Z-11 F9474									
32.7	N511 X-331 Y-191 F8571									
30.5	N512 X-310 Y-207 Z-6 F8182									
40.0	N513 X-573 Y-430 Z23 F5577									
40.0	N514 X-537 Y-400 Z11 F5980									
24.4	N515 X-262 Y-168 Z-7 F7826									
23.1	N516 X-262 Y-136 Z-21 F7826									
40.0	N517 X-575 Y-223 Z-79 F6427									
40.0	N518 X-593 Y-186 Z-107 F6342									
40.0	N519 X-607 Y-144 Z-137 F6265									
40.0	N520 X-616 Y-95 Z-168 F6194									
40.0	N521 X-620 Y-40 Z-203 F6128									
40.0	N522 Z1000 F4000	13.7606 0.0000	10.0591	-12.2213	-0.000	180.000	PT-LIN	125	000534	0
40.0	N523 X50 Y-300 Z138 F11979	13.7606 0.0000	10.0591	-12.1213	-0.000	180.000	PT-LIN	127	000534	0
12.0	N524 Z-1000 F1200	13.7656 0.0000	10.0291	-12.1075	-0.000	180.000	PT-LIN	128	000534	0
40.0	N525 X605 Y37 Z194 F6288	13.7656 0.0000	10.0291	-12.2075	-0.000	180.000	PT-LIN	130	000534	0
40.0	N526 X603 Y102 Z160 F6327									
40.0	N527 X595 Y153 Z127 F6369									
40.0	N528 X584 Y196 Z101 F6417									
40.0	N529 X570 Y227 Z76 F6470									
27.2	N530 X552 Y135 Z19 F9474									
27.6	N531 X558 Y164 Z8 F9000									
40.0	N532 X539 Y389 Z-4 F6022									
40.0	N533 X584 Y418 Z-13 F5567									
35.5	N534 X316 Y201 Z-2 F9474									
34.4	N535 X334 Y186 Z5 F9000									
35.1	N536 X355 Y163 Z14 F9000									
35.8	N537 X374 Y131 Z25 F9000									
33.5	N538 X356 Y108 Z26 F9000									
36.0	N539 X424 Y107 Z39 F8182									
40.0	N540 X1021 Y208 Z106 F3821									
40.0	N541 X1173 Y198 Z128 F3342									
40.0	N542 X1238 Y183 Z130 F3179									
40.0	N543 X620 Y86 Z60 F6360									
40.0	N544 X614 Y82 Z54 F6435									
40.0	N545 X539 Y77 Z39 F7334									
40.0	N546 X553 Y78 Z38 F7146									
40.0	N547 X1140 Y161 Z63 F3469									
40.0	N548 X1163 Y161 Z43 F3404									
40.0	N549 X582 Y75 Z15 F6807									
40.0	N550 X581 Y69 Z10 F6841									
40.0	N551 X578 Y57 Z7 F6887									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	DT-CRD
40.0	N552 X575 Y44 Z6 F6930								
40.0	N553 X577 Y29 Z5 F6928								
40.0	N554 X574 Y14 Z3 F6968								
40.0	N555 X572 Y3 Z2 F5988								
40.0	N556 X572 Y-4 Z-2 F7003								
40.0	N557 X136 Y-16 Z-18 F3519								
40.0	N558 X120 Y-6 Z-42 F3568								
40.0	N559 X550 Y10 Z-32 F7264								
40.0	N560 X540 Y21 Z-30 F7376								
40.0	N561 X543 Y39 Z-50 F7261								
40.0	N562 X1095 Y129 Z-134 F3599								
40.0	N563 X1105 Y161 Z-168 F3545								
40.0	N564 X1125 Y139 Z-183 F3481								
40.0	N565 X575 Y41 Z-90 F6858								
40.0	N566 X584 Y9 Z-83 F6795								
40.0	N567 X591 Y-31 Z-73 F6706								
40.0	N568 X594 Y-85 Z-56 F6639								
40.0	N569 X580 Y-134 Z-38 F6703								
40.0	N570 X566 Y-172 Z-26 F6761								
40.0	N571 X1096 Y-402 Z-37 F3424								
40.0	N572 X1070 Y-409 Z-50 F3489								
40.0	N573 X532 Y-182 Z-10 F7089								
40.0	N574 X533 Y-156 Z-55 F7168								
40.0	N575 X534 Y-122 Z-71 F7249								
40.0	N576 X611 Y-95 Z-106 F6380								
40.0	N577 X1249 Y-132 Z-261 F3116								
40.0	N578 X1230 Y-80 Z-297 F3156								
40.0	N579 X1120 Y-58 Z-291 F3453								
40.0	N580 X921 Y-74 Z-238 F4189								
30.2	N581 X371 Y-59 Z-87 F7826								
40.0	N582 X668 Y-162 Z-142 F5704								
40.0	N583 X670 Y-217 Z-136 F5580								
40.0	N584 X665 Y-279 Z-124 F5462								
40.0	N585 X652 Y-350 Z-110 F5347								
40.0	N586 X629 Y-423 Z-92 F5336								
40.0	N587 Z1000 F4000								
40.0	N588 X37 Y-349 Z122 F10776								
12.0	N589 Z-1000 F1200								
40.0	N590 X-646 Y409 Z115 F5176								
40.0	N591 X-654 Y373 Z108 F5259								
40.0	N592 X-665 Y328 Z107 F5342								
40.0	N593 X-675 Y267 Z117 F5437								
40.0	N594 X-684 Y188 Z136 F5543								
34.5	N595 X-387 Y59 Z91 F8571								
16.4296		10.5006	-12.1259		-0.000	180.000	PT-LIN	132	000534
0.0000									0
18.0337		10.1434	-12.3762		-0.000	180.000	PT-LIN	133	000534
0.0000									0
18.0337		10.1434	-12.2762		-0.000	180.000	PT-LIN	135	000534
0.0000									0
18.0374		10.1085	-12.2640		-0.000	180.000	PT-LIN	136	000534
0.0000									0
18.0374		10.1085	-12.3640		-0.000	180.000	PT-LIN	138	000534
0.0000									0

37.2 N596 X-439 Y37 Z112 F8182

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	DT-CRD
40.0	N597 X-1034 Y40 Z276 F3734								
40.0	N598 X-1183 Y40 Z303 F3274								
40.0	N599 X-1242 Y82 Z286 F3132								
40.0	N600 X-617 Y68 Z124 F6326								
40.0	N601 X-602 Y92 Z104 F6472								
40.0	N602 X-525 Y116 Z73 F7363								
40.0	N603 X-529 Y142 Z61 F7254								
40.0	N604 X-533 Y161 Z51 F7154								
40.0	N605 X-1080 Y351 Z83 F3512								
40.0	N606 X-1109 Y342 Z74 F3439								
40.0	N607 X-571 Y146 Z41 F6778								
40.0	N608 X-582 Y117 Z49 F6713								
40.0	N609 X-594 Y80 Z50 F6647								
40.0	N610 X-587 Y39 Z67 F6754								
40.0	N611 X-581 Y8 Z72 F6830								
40.0	N612 X-574 Y-17 Z75 F6901								
40.0	N613 X-1130 Y-81 Z151 F3500								
40.0	N614 X-1110 Y-106 Z137 F3562								
40.0	N615 X-1095 Y-88 Z112 F3620								
40.0	N616 X-545 Y-27 Z44 F7317								
40.0	N617 X-543 Y-12 Z34 F7347								
40.0	N618 X-550 Y-3 Z27 F7261								
40.0	N619 X-1117 Y13 Z35 F3579								
40.0	N620 X-1131 Y19 Z13 F3538								
40.0	N621 X-567 Y3 Z1 F7050								
40.0	N622 X-568 Y-5 Z-1 F7042								
40.0	N623 X-569 Y-15 Z-4 F7030								
40.0	N624 X-571 Y-30 Z-4 F7001								
40.0	N625 X-568 Y-46 Z-4 F7016								
40.0	N626 X-570 Y-61 Z-5 F6970								
40.0	N627 X-574 Y-72 Z-6 F6922								
40.0	N628 X-575 Y-81 Z-9 F6885								
40.0	N629 X-1151 Y-175 Z-31 F3434								
40.0	N630 X-1138 Y-181 Z-49 F3469								
40.0	N631 X-558 Y-88 Z-32 F7065								
40.0	N632 X-549 Y-86 Z-35 F7179								
40.0	N633 X-622 Y-88 Z-51 F6348								
40.0	N634 X-626 Y-91 Z-58 F6297								
40.0	N635 X-1246 Y-167 Z-130 F3159								
40.0	N636 X-1177 Y-196 Z-130 F3333								
40.0	N637 X-1020 Y-202 Z-110 F3828								
34.2	N638 X-422 Y-103 Z-41 F7828								
28.6	N639 X-350 Y-104 Z-28 F7826								
30.7	N640 X-370 Y-127 Z-26 F7826								
31.6	N641 X-353 Y-158 Z-16 F8182								
31.2	N642 X-336 Y-180 Z-8 F8182								
32.1	N643 X-319 Y-195 Z-2 F8571								
31.4	N644 X-305 Y-203 Z2 F8571								
40.0	N645 X-568 Y-401 Z3 F5753								
15.1346 10.3786 -12.0586 -0.000 180.000 PT-LIN 140 000534 0									
0.0000									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
26.5	N646 X-267 Y-182 Z-3 F8182								
23.8	N647 X-258 Y-161 Z-10 F7826								
22.1	N648 X-249 Y-133 Z-19 F7826								
24.2	N649 X-284 Y-116 Z-36 F7826								
40.0	N650 X-575 Y-211 Z-88 F6465								
40.0	N651 X-583 Y-176 Z-112 F6459								
40.0	N652 X-589 Y-134 Z-137 F6458								
40.0	N653 X-591 Y-81 Z-165 F6464								
40.0	N654 X-294 Y-17 Z-94 F12941								
40.0	N655 Z1000 F4000	13.7697	9.9985	-12.1941	-0.000	180.000	PT-LIN 141	000534	0
		0.0000							
40.0	N656 X17 Y-313 Z126 F11852	13.7697	9.9985	-12.0941	-0.000	180.000	PT-LIN 143	000534	0
		0.0000							
12.0	N657 Z-1000 F1200	13.7714	9.9672	-12.0815	-0.000	180.000	PT-LIN 144	000534	0
		0.0000							
40.0	N658 X584 Y87 Z163 F6534	13.7714	9.9672	-12.1815	-0.000	180.000	PT-LIN 146	000534	0
40.0	N659 X584 Y119 Z144 F6518								
40.0	N660 X584 Y150 Z125 F6500								
40.0	N661 X580 Y184 Z103 F6480								
40.0	N662 X574 Y217 Z82 F6460								
25.5	N663 X251 Y130 Z21 F9000								
29.0	N664 X262 Y158 Z12 F9474								
30.9	N665 X273 Y178 Z7 F9474								
40.0	N666 X581 Y389 Z4 F5716								
34.7	N667 X310 Y196 Z3 F9474								
33.6	N668 X323 Y188 Z5 F9000								
34.0	N669 X335 Y172 Z11 F9000								
34.1	N670 X349 Y149 Z18 F9000								
36.1	N671 X361 Y118 Z28 F9474								
33.7	N672 X342 Y96 Z30 F9474								
40.0	N673 X418 Y94 Z43 F9280								
40.0	N674 X483 Y93 Z55 F8088								
40.0	N675 X1109 Y187 Z129 F3533								
40.0	N676 X1225 Y189 Z134 F3209								
40.0	N677 X1259 Y197 Z117 F3126								
40.0	N678 X626 Y103 Z45 F6286								
40.0	N679 X555 Y107 Z27 F7078								
40.0	N680 X557 Y115 Z19 F7021								
40.0	N681 X1125 Y241 Z22 F3478								
40.0	N682 X1133 Y234 Z5 F3458								
40.0	N683 X568 Y105 Z-1 F6921								
40.0	N684 X569 Y92 Z-1 F6939								
40.0	N685 X570 Y75 Z-1 F6962								
40.0	N686 X570 Y56 Z1 F6984								
40.0	N687 X573 Y33 Z3 F6962								
40.0	N688 X571 Y13 Z4 F6999								
40.0	N689 X570 Y-3 Z5 F7025								
40.0	N690 X1132 Y-41 Z6 F3531								
40.0	N691 X1120 Y-63 Z-5 F3568								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N692 X554 Y-29 Z-10 F7203								
40.0	N693 X550 Y-24 Z-16 F7260								
40.0	N694 X546 Y-15 Z-23 F7317								
40.0	N695 X548 Y-4 Z-31 F7289								
40.0	N696 X552 Y2 Z-37 F7231								
40.0	N697 X1115 Y9 Z-91 F3575	16.2605	10.3969	-12.0660	-0.000	180.000	PT-LIN 148	000534	0
		0.0000							
40.0	N698 X1126 Y-4 Z-105 F3538								
40.0	N699 X564 Y-14 Z-56 F7052								
40.0	N700 X564 Y-25 Z-57 F7048								
40.0	N701 X564 Y-38 Z-59 F7046								
40.0	N702 X563 Y-52 Z-58 F7033								
40.0	N703 X572 Y-69 Z-59 F6909								
40.0	N704 X570 Y-85 Z-59 F6905								
40.0	N705 X568 Y-98 Z-60 F6899								
40.0	N706 X1128 Y-227 Z-123 F3457								
40.0	N707 X1108 Y-246 Z-130 F3501								
40.0	N708 X344 Y-121 Z-69 F7124								
40.0	N709 X536 Y-116 Z-73 F7232								
40.0	N710 X528 Y-105 Z-77 F7351								
40.0	N711 X593 Y-88 Z-103 F6576								
40.0	N712 X610 Y-61 Z-123 F6398								
40.0	N713 X1234 Y-59 Z-288 F3154								
40.0	N714 X1180 Y-12 Z-308 F3281								
40.0	N715 X1039 Y-19 Z-282 F3715								
39.7	N716 X-48 Y-32 Z-115 F8571								
33.0	N717 X405 Y-61 Z-95 F7826								
40.0	N718 X716 Y-231 Z-129 F5247								
40.0	N719 X677 Y-341 Z-91 F5238								
40.0	N720 X644 Y-391 Z-82 F5278								
40.0	N721 X629 Y-391 Z-98 F5356								
40.0	N722 X639 Y-354 Z-139 F5377	18.0364	10.0730	-12.3497	-0.000	180.000	PT-LIN 149	000534	0
		0.0000							
40.0	N723 Z1000 F4000								
34.2	N724 X10 Y-250 Z89 F12857	18.0354	10.0730	-12.2497	-0.000	180.000	PT-LIN 151	000534	0
		0.0000							
12.0	N725 Z-1000 F1200	18.0364	10.0480	-12.2408	-0.000	180.000	PT-LIN 152	000534	0
		0.0000							
29.1	N726 X-305 Y171 Z69 F8182	18.0364	10.0480	-12.3408	-0.000	180.000	PT-LIN 154	000534	0
40.0	N727 X-624 Y340 Z130 F5541								
40.0	N728 X-649 Y324 Z129 F5426								
40.0	N729 X-684 Y289 Z133 F5306								
40.0	N730 X-720 Y232 Z147 F5188								
35.3	N731 X-375 Y66 Z80 F9000								
37.2	N732 X-398 Y70 Z80 F9000								
35.9	N733 X-443 Y60 Z100 F7826								
40.0	N734 X-1035 Y109 Z235 F3751								
40.0	N735 X-1174 Y111 Z261 F3311								

40.0 N736 X-1224 Y131 Z254 F3183

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N737 X-603 Y78 Z114 F6469								
40.0	N738 X-584 Y89 Z100 F6671								
40.0	N739 X-532 Y98 Z81 F7314								
40.0	N740 X-540 Y107 Z76 F7195								
40.0	N741 X-548 Y114 Z72 F7090								
40.0	N742 X-1114 Y234 Z134 F3490								
40.0	N743 X-1128 Y222 Z122 F3461								
40.0	N744 X-565 Y98 Z58 F6934								
40.0	N745 X-585 Y87 Z59 F6960								
40.0	N746 X-568 Y71 Z57 F6981								
40.0	N747 X-560 Y52 Z57 F7075								
40.0	N748 X-561 Y33 Z60 F7080								
40.0	N749 X-562 Y16 Z61 F7076								
40.0	N750 X-562 Y4 Z60 F7072								
40.0	N751 X-1124 Y-13 Z114 F3540								
40.0	N752 X-1119 Y-17 Z95 F3564								
40.0	N753 X-555 Z37 F7190								
40.0	N754 X-551 Y12 Z29 F7238								
40.0	N755 X-548 Y26 Z19 F7296								
40.0	N756 X-550 Y40 Z10 F7248								
40.0	N757 X-554 Y47 Z3 F7197								
40.0	N758 X-1119 Y97 Z-7 F3562								
40.0	N759 X-1134 Y68 Z-17 F3520								
40.0	N760 X-572 Y11 Z-8 F6983								
40.0	N761 X-576 Y-12 Z-5 F6943								
40.0	N762 X-579 Y-39 Z-2 F6898								
40.0	N763 X-573 Y-68 Z4 F6933								
40.0	N764 X-569 Y-93 Z7 F6931								
40.0	N765 X-567 Y-112 Z9 F6925								
40.0	N766 X-1125 Y-266 Z18 F3460								
40.0	N767 X-1117 Y-289 Z6 F3466								
40.0	N768 X-1113 Y-275 Z-18 F3489								
40.0	N769 X-556 Y-121 Z-21 F7029								
40.0	N770 X-628 Y-115 Z-41 F6252								
40.0	N771 X-631 Y-109 Z-52 F6225								
40.0	N772 X-1251 Y-208 Z-124 F3139								
40.0	N773 X-1175 Y-196 Z-132 F3336								
40.0	N774 X-1010 Y-187 Z-115 F3873								
34.6	N775 X-410 Y-92 Z-43 F6182								
26.6	N776 X-327 Y-90 Z-29 F7826								
26.1	N777 X-341 Y-110 Z-26 F7826								
28.5	N778 X-336 Y-136 Z-19 F7826								
28.8	N779 X-332 Y-158 Z-14 F7826								
30.2	N780 X-327 Y-172 Z-11 F8182								
26.7	N781 X-319 Y-180 Z-9 F7826								
40.0	N782 X-610 Y-359 Z-21 F5050								
25.9	N783 X-286 Y-166 Z-14 F7826								
24.3	N784 X-273 Y-149 Z-19 F7826								
22.6	N785 X-259 Y-125 Z-24 F7826								
15.3053		10.3653	-12.0384	-0.000	180.000	PT-LIN	158	000534	0
0.0000									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CIRECN	IN-CRD	OT-CRD
25.3	N786 X-286 Y-108 Z-40 F8182									
23.1	N787 X-289 Y-100 Z-45 F7500									
40.0	N788 X-583 Y-173 Z-108 F6481									
40.0	N789 X-586 Y-148 Z-126 F6477									
40.0	N790 X-589 Y-129 Z-142 F6459									
40.0	N791 X-592 Y-119 Z-154 F6417	13.7702	9.9373	-12.1707	-0.000	180.000	PT-LIN	157	000534	0
		0.0000								
40.0	N792 Z1000 F4000	13.7702	9.9373	-12.0707	-0.000	180.000	PT-LIN	159	000534	0
		0.0000								
40.0	N793 X-27 Y-326 Z110 F11592	13.7675	9.9047	-12.0597	-0.000	180.000	PT-LIN	160	000534	0
		0.0000								
12.0	N794 Z-1000 F1200	13.7675	9.9047	-12.1597	-0.000	180.000	PT-LIN	182	000534	0
		0.0000								
40.0	N795 X609 Y141 Z154 F6216									
40.0	N796 X600 Y145 Z140 F6320									
40.0	N797 X592 Y157 Z124 F6395									
40.0	N798 X585 Y178 Z107 F6452									
27.7	N799 X288 Y98 Z45 F9000									
27.7	N800 X285 Y108 Z39 F9000									
26.8	N801 X271 Y122 Z29 F9000									
28.7	N802 X284 Y142 Z23 F9000									
30.4	N803 X298 Y158 Z19 F9000									
40.0	N804 X627 Y338 Z29 F5811									
32.8	N805 X322 Y169 Z13 F9000									
32.7	N806 X326 Y162 Z12 F9000									
32.2	N807 X325 Y148 Z14 F9000									
31.5	N808 X325 Y130 Z19 F9000									
32.5	N809 X326 Y104 Z24 F9474									
31.2	N810 X316 Y87 Z27 F9474									
34.0	N811 X404 X39 Z43 F8182									
40.0	N812 X1003 Y184 Z116 F3895									
40.0	N813 X1174 Y196 Z133 F3341									
40.0	N814 X1251 Y212 Z123 F3138									
40.0	N815 X632 Y114 Z51 F6216									
40.0	N816 X628 Y119 Z40 F6238									
40.0	N817 X555 Y129 Z20 F7020									
40.0	N818 X554 Y146 Z9 F6986									
40.0	N819 X1107 Y317 Z-6 F3472									
40.0	N820 X1113 Y318 Z-25 F3455									
40.0	N821 X562 Y145 Z-15 F6896									
40.0	N822 X565 Y129 Z-14 F6891									
40.0	N823 X572 Y106 Z-12 F6884									
40.0	N824 X576 Y77 Z-6 F6873									
40.0	N825 X585 Y43 F6824									
40.0	N826 X581 Y11 Z6 F6830									
40.0	N827 X577 Y-14 Z9 F6932									
40.0	N828 X572 Y-35 Z11 F6982									
40.0	N829 X1128 Y-106 Z20 F3529									
40.0	N830 X1111 Y-117 Z6 F3582									
40.0	N831 X550 Y-47 Z-8 F7246									

FEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	DT-CRD
40.0	N832 X547 Y-34 Z-17 F7298								
40.0	N833 X553 Y-16 Z-27 F7213								
40.0	N834 X557 Y-4 Z-37 F7171								
40.0	N835 X1119 Y14 Z-96 F3500	16.1511	10.3396	-12.0359	-0.000	180.000	PT-LIN 164	000534	0
40.0	N836 X1123 Y16 Z-116 F3544	0.0000							
40.0	N837 X561 Y-2 Z-61 F7083								
40.0	N838 X560 Y-15 Z-92 F7098								
40.0	N839 X559 Y-31 Z-61 F7104								
40.0	N840 X557 Y-53 Z-57 F7104								
40.0	N841 X559 Y-74 Z-55 F7069								
40.0	N842 X559 Y-90 Z-55 F7033								
40.0	N843 X560 Y-103 Z-54 F6994								
40.0	N844 X1120 Y-223 Z-115 F3479								
40.0	N845 X1114 Y-238 Z-129 F3489								
40.0	N846 X551 Y-114 Z-71 F7055								
40.0	N847 X545 Y-105 Z-76 F7136								
40.0	N848 X539 Y-95 Z-63 F7230								
40.0	N849 X587 Y-90 Z-100 F6644								
40.0	N850 X604 Y-87 Z-111 F6452								
40.0	N851 X1225 Y-167 Z-239 F3177								
40.0	N852 X1173 Y-158 Z-242 F3309								
40.0	N853 X1030 Y-149 Z-218 F3763								
38.8	N854 X437 Y-72 Z-93 F8571								
34.4	N855 X385 Y-72 Z-83 F8571								
33.6	N856 X376 Y-80 Z-82 F8571								
30.3	N857 X367 Y-91 Z-83 F8326								
40.0	N858 X713 Y-215 Z-163 F5247								
40.0	N859 X682 Y-257 Z-159 F5365								
40.0	N860 X649 Y-296 Z-150 F5186								
40.0	N861 X614 Y-332 Z-141 F5616								
40.0	N862 Z1000 F4000	18.0379	10.0211	-12.3315	-0.000	180.000	PT-LIN 165	000534	0
		0.0000							
35.8	N863 X16 Y-282 Z98 F12000	18.0379	10.0211	-12.2315	-0.000	180.000	PT-LIN 167	000534	0
		0.0000							
12.0	N864 Z-1000 F1200	18.0395	9.9929	-12.2217	-0.000	180.000	PT-LIN 168	000534	0
		0.0000							
40.0	N865 X-630 Y325 Z151 F5514	18.0395	9.9929	-12.3217	-0.000	180.000	PT-LIN 170	000534	0
40.0	N866 X-66E Y270 Z167 F5422	0.0000							
40.0	N867 X-693 Y223 Z174 F5346								
40.0	N868 X-714 Y186 Z173 F5278								
34.4	N869 X-364 Y81 Z84 F9000								
34.7	N870 X-370 Y75 Z62 F9000								
35.0	N871 X-373 Y71 Z80 F9000								
35.0	N872 X-431 Y72 Z52 F7826								
40.0	N873 X-1026 Y154 Z217 F3776								
40.0	N874 X-1175 Y163 Z42 F3303								
40.0	N875 X-1231 Y171 Z240 F3160								

40.0 N876 X-610 Y88 Z111 F6393

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N926 X-587 Y-194 Z-101 F6387								
40.0	N927 X-599 Y-177 Z-119 F6287								
40.0	N928 X-612 Y-164 Z-138 F6171								
40.0	N929 X-625 Y-153 Z-159 F6040	13.7644	9.8700	-12.1484	-0.000	180.000	PT-LIN	173 000534	0
		0.0000							
40.0	N930 Z1000 F4000	13.7644	9.8700	-12.0484	-0.000	180.000	PT-LIN	175 000534	0
		0.0000							
40.0	N931 X-23 Y-364 Z118 F10447	13.7621	9.8336	-12.0366	-0.000	180.000	PT-LIN	176 000534	0
		0.0000							
12.0	N932 Z-1000 F1200	13.7621	9.8336	-12.1366	-0.000	180.000	PT-LIN	178 000534	0
		0.0000							
40.0	N933 X632 Y154 Z164 F5963								
40.0	N934 X618 Y185 Z136 F6069								
40.0	N935 X604 Y207 Z112 F6177								
40.0	N936 X590 Y221 Z92 F6280								
40.0	N937 X581 Y227 Z78 F6362								
28.7	N938 X292 Y123 Z33 F9000								
30.0	N939 X301 Y141 Z27 F9000								
40.0	N940 X624 Y313 Z38 F5717								
40.0	N941 X639 Y324 Z25 F5583								
31.7	N942 X317 Y154 Z11 F9000								
31.0	N943 X314 Y141 Z12 F9000								
30.0	N944 X309 Y124 Z15 F9000								
30.7	N945 X308 Y101 Z21 F9474								
30.5	N946 X309 Y85 Z27 F9474								
33.7	N947 X401 Y83 Z43 F8182								
40.0	N948 X1000 Y165 Z122 F3916								
40.0	N949 X1174 Y172 Z141 F3350								
40.0	N950 X1250 Y191 Z132 F3144								
40.0	N951 X631 Y107 Z55 F6230								
40.0	N952 X628 Y115 Z42 F6253								
40.0	N953 X549 Y131 Z20 F7087								
40.0	N954 X548 Y152 Z9 F7027								
40.0	N955 X1098 Y346 Z-10 F3476								
40.0	N956 X1107 Y354 Z-31 F3440								
40.0	N957 X561 Y162 Z-18 F6839								
40.0	N958 X569 Y143 Z-16 F6816								
40.0	N959 X578 Y116 Z-12 F6792								
40.0	N960 X586 Y79 Z-5 F6764								
40.0	N961 X590 Y43 Z2 F6756								
40.0	N962 X586 Y12 Z6 F6820								
40.0	N963 X582 Y-12 Z8 F6879								
40.0	N964 X576 Y-32 Z9 F6935								
40.0	N965 X1135 Y-97 Z14 F3511								
40.0	N966 X1114 Y-108 Z-1 F3574								
40.0	N967 X549 Y-45 Z-10 F7253								
40.0	N968 X545 Y-31 Z-19 F7322								
40.0	N969 X557 Y-18 Z-29 F7173								
40.0	N970 X558 Y-9 Z-30 F7146								
40.0	N971 X1121 Y-7 Z-92 F3558								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	DT-CRD
40.0	N872 X1121 Y-9 Z-110 F3552	16.3773	10.2839	-12.0361	-0.000	180.000	PT-LIN 180	000534	0
		0.0000							
40.0	N873 X558 Y-14 Z-58 F7121								
40.0	N874 X557 Y-33 Z-60 F7140								
40.0	N875 X554 Y-38 Z-58 F7159								
40.0	N876 X552 Y-54 Z-57 F7170								
40.0	N877 X551 Y-79 Z-53 F7155								
40.0	N878 X550 Y-106 Z-47 F7118								
40.0	N879 X549 Y-126 Z-44 F7081								
40.0	N880 X1096 Y-291 Z-86 F3518								
40.0	N881 X1096 Y-302 Z-99 F3504								
40.0	N882 X550 Y-141 Z-59 F7013								
40.0	N883 X550 Y-125 Z-69 F7029								
40.0	N884 X552 Y-104 Z-81 F7052								
40.0	N885 X604 Y-89 Z-103 F6461								
40.0	N886 X616 Y-81 Z-114 F6331								
40.0	N887 X1239 Y-144 Z-252 F3143								
40.0	N888 X1179 Y-129 Z-255 F3259								
40.0	N889 X1024 Y-123 Z-228 F3784								
38.0	N890 X429 Y-64 Z-94 F8571								
29.9	N891 X367 Y-67 Z-79 F7828								
40.0	N892 X718 Y-150 Z-163 F5328								
40.0	N893 X708 Y-170 Z-174 F5338								
40.0	N894 X698 Y-206 Z-179 F5338								
40.0	N895 X681 Y-255 Z-177 F5343								
40.0	N896 X655 Y-317 Z-165 F5362								
		18.0406	9.9641	-12.3115	-0.000	180.000	PT-LIN 181	000534	0
		0.0000							
40.0	N897 Z1000 F4000								
36.9	N898 X-1 Y-289 Z107 F12000								
		18.0406	9.9641	-12.2115	-0.000	180.000	PT-LIN 183	000534	0
		0.0000							
12.0	N899 Z-1000 F1200								
		18.0405	9.9352	-12.2008	-0.000	180.000	PT-LIN 184	000534	0
		0.0000							
		18.0405	9.9352	-12.3008	-0.000	180.000	PT-LIN 188	000534	0
		0.0000							
40.0	N000 X-678 Y307 Z178 F5231								
40.0	N001 X-690 Y250 Z179 F5290								
40.0	N002 X-697 Y205 Z176 F5352								
40.0	N003 X-699 Y170 Z169 F5412								
40.0	N004 X-701 Y150 Z156 F5459								
33.1	N005 X-372 Y60 Z83 F8571								
36.5	N006 X-432 Y43 Z101 F8182								
40.0	N007 X-1029 Y57 Z249 F3773								
40.0	N008 X-1182 Y51 Z279 F3290								
40.0	N009 X-1246 Y63 Z269 F3132								
40.0	N010 X-621 Y65 Z120 F6294								
40.0	N011 X-609 Y87 Z103 F6408								
40.0	N012 X-554 Y115 Z78 F7008								
40.0	N013 X-548 Y147 Z62 F7002								
40.0	N014 X-544 Y170 Z50 F6999								
40.0	N015 X-1077 Y373 Z76 F3561								

40.0 N016 X-1080 Y357 Z65 F3512

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N017 X-545 Y151 Z36 F7049								
40.0	N018 X-551 Y122 Z43 F7058								
40.0	N019 X-556 Y83 Z52 F7065								
40.0	N020 X-547 Y54 Z56 F7236								
40.0	N021 X-551 Y42 Z57 F7211								
40.0	N022 X-553 Y32 Z57 F7176								
40.0	N023 X-557 Y23 Z56 F7141								
40.0	N024 X-1121 Y30 Z105 F3552								
40.0	N025 X-1124 Y20 Z49 F3547								
40.0	N026 X-551 Y10 Z37 F7110								
40.0	N027 X-561 Y13 Z31 F7123								
40.0	N028 X-546 Y21 Z23 F7315								
40.0	N029 X-551 Y31 Z15 F7240								
40.0	N030 X-1119 Y79 Z12 F3567								
40.0	N031 X-1137 Y69 Z-3 F3510								
40.0	N032 X-575 Y21 Z-6 F6953								
40.0	N033 X-578 Y6 Z-6 F6913								
40.0	N034 X-583 Y-13 Z-5 F6869								
40.0	N035 X-585 Y-37 Z-4 F6814								
40.0	N036 X-590 Y-72 Z1 F6738								
40.0	N037 X-580 Y-110 Z9 F6768								
40.0	N038 X-572 Y-139 Z13 F6795								
40.0	N039 X-564 Y-161 Z15 F6823								
40.0	N040 X-1109 Y-351 Z26 F3437								
40.0	N041 X-1095 Y-341 Z5 F3486								
40.0	N042 X-546 Y-148 Z-11 F7070								
40.0	N043 X-546 Y-123 Z-23 F7152								
40.0	N044 X-626 Y-104 Z-46 F6279								
40.0	N045 X-631 Y-93 Z-59 F6250								
40.0	N046 X-1251 Y-162 Z-142 F3151								
40.0	N047 X-1175 Y-144 Z-150 F3351								
40.0	N048 X-1007 Y-145 Z-128 F3903								
34.0	N049 X-406 Y-79 Z-46 F8132								
25.9	N050 X-318 Y-86 Z-28 F7826								
25.5	N051 X-308 Y-106 Z-19 F7826								
27.4	N052 X-308 Y-128 Z-13 F8182								
28.1	N053 X-310 Y-147 Z-10 F8182								
27.4	N054 X-312 Y-159 Z-7 F7826								
40.0	N055 X-627 Y-337 Z-16 F5623								
40.0	N056 X-618 Y-326 Z-31 F5719								
26.3	N057 X-302 Y-146 Z-24 F7826								
25.5	N058 X-298 Y-128 Z-32 F7826								
40.0	N059 X-597 Y-250 Z-76 F6139								
40.0	N060 X-594 Y-261 Z-81 F6120								
40.0	N061 X-601 Y-247 Z-101 F6080								
40.0	N062 X-614 Y-206 Z-130 F6056								
40.0	N063 X-624 Y-141 Z-168 F6050								
40.0	N064 Z1000 F4000								
		15.2439	10.2317	-11.9931	-0.000	180.000	PT-LIN	189	000534
		0.0000							0
		13.7616	9.7959	-12.1241	-0.000	180.000	PT-LIN	189	000534
		0.0000							0

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N065 X2 Y-358 Z116 F10630	13.7616 0.0000	9.7959 -12.0241	-0.000	180.000	PT-LIN 191	000534	0	
12.0	N066 Z-1000 F1200	13.7618 0.0000	9.7601 -12.0125	-0.000	180.000	PT-LIN 192	000534	0	
40.0	N067 X609 Y133 Z167 F6200	13.7618 0.0000	9.7601 -12.1125	-0.000	180.000	PT-LIN 194	000534	0	
40.0	N068 X612 Y180 Z141 F6118								
40.0	N069 X614 Y219 Z118 F6043								
40.0	N070 X614 Y249 Z96 F5971								
40.0	N071 X619 Y268 Z77 F5891								
30.8	N072 X307 Y150 Z27 F9000								
32.8	N073 X301 Y171 Z15 F9474								
40.0	N074 X591 Y381 Z3 F5886								
40.0	N075 X591 Y390 Z-10 F5649								
33.2	N076 X300 Y182 Z-4 F9474								
32.8	N077 X304 Y165 Z2 F9474								
30.7	N078 X310 Y141 Z9 F9000								
31.8	N079 X316 Y112 Z19 F9474								
32.8	N080 X335 Y84 Z31 F9474								
34.7	N081 X415 Y72 Z50 F8182								
40.0	N082 X1014 Y119 Z137 F3891								
40.0	N083 X1177 Y113 Z160 F3353								
40.0	N084 X1249 Y135 Z148 F3163								
40.0	N085 X628 Y84 Z60 F6387								
40.0	N086 X622 Y100 Z47 F6329								
40.0	N087 X537 Y123 Z23 F7253								
40.0	N088 X539 Y152 Z10 F7142								
40.0	N089 X1085 Y358 Z-10 F3501								
40.0	N090 X1104 Y374 Z-31 F3429								
40.0	N091 X566 Y171 Z-17 F6771								
40.0	N092 X576 Y148 Z-15 F6719								
40.0	N093 X589 Y115 Z-8 F6667								
40.0	N094 X600 Y73 Z-1 F6612								
40.0	N095 X592 Y25 Z8 F6756								
40.0	N096 X585 Y-11 Z15 F6829								
40.0	N097 X579 Y-41 Z10 F6893								
40.0	N098 X572 Y-63 Z20 F6949								
40.0	N099 X1127 Y-157 Z-4 F3512								
40.0	N100 X1114 Y-151 Z12 F3558								
40.0	N101 X555 Y-55 Z-8 F7181								
40.0	N102 X552 Y-31 Z-20 F7223								
40.0	N103 X570 Y-7 Z-34 F7009								
40.0	N104 X567 Y8 Z-45 F7033								
40.0	N105 X1125 Y44 Z-113 F3535								
40.0	N106 X1114 Y46 Z-131 F3562								
40.0	N107 X554 Y10 Z-68 F7169								
40.0	N108 X551 Y-6 Z-60 F7201								
40.0	N109 X550 Y-27 Z-62 F7230								
40.0	N110 X545 Y-53 Z-57 F7255								
		16.3794 0.0000	10.2170 -12.0125	-0.000	180.000	PT-LIN 196	000534	0	

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLRECIN	IN-CRD	OT-CRD
40.0	N111 X565 Y-91 Z-52 F6966									
40.0	N112 X557 Y-127 Z-43 F6977									
40.0	N113 X551 Y-154 Z-38 F6985									
40.0	N114 X1084 Y-356 Z-71 F3499									
40.0	N115 X1075 Y-362 Z-83 F3515									
40.0	N116 X539 Y-164 Z-53 F7069									
40.0	N117 X541 Y-142 Z-64 F7102									
40.0	N118 X543 Y-114 Z-76 F7141									
40.0	N119 X601 Y-87 Z-101 F6497									
40.0	N120 X615 Y-69 Z-116 F6357									
40.0	N121 X1238 Y-92 Z-261 F3153									
40.0	N122 X1179 Y-55 Z-272 F3303									
40.0	N123 X1030 Y-50 Z-248 F3772									
38.5	N124 X436 Y-33 Z-105 F8571									
33.9	N125 X382 Y-47 Z-89 F8571									
31.1	N126 X349 Y-60 Z-80 F8571									
28.5	N127 X348 Y-71 Z-80 F826									
40.0	N128 X696 Y-173 Z-165 F5436									
40.0	N129 X694 Y-216 Z-169 F5361									
40.0	N130 X691 Y-259 Z-174 F5277									
40.0	N131 X686 Y-305 Z-181 F5179									
40.0	N132 Z1000 F4000	18.0394 0.0000	9.9067	-12.2899	-0.000	180.000	PT-LIN	197	000534	0
38.9	N133 X-13 Y-282 Z108 F12857	18.0394 0.0000	9.9067	-12.1899	-0.000	180.000	PT-LIN	199	000534	0
12.0	N134 Z-1000 F1200	18.0381 0.0000	9.8785	-12.1791	-0.000	180.000	PT-LIN	200	000534	0
40.0	N135 X-688 Y301 Z181 F5182	18.0381 0.0000	9.8785	-12.2791	-0.000	180.000	PT-LIN	202	000534	0
40.0	N136 X-689 Y263 Z172 F5279									
40.0	N137 X-694 Y221 Z166 F5355									
33.3	N138 X-349 Y92 Z82 F9000									
33.2	N139 X-351 Y80 Z82 F9000									
33.0	N140 X-351 Y67 Z81 F9000									
32.8	N141 X-351 Y53 Z33 F9000									
34.2	N142 X-386 Y37 Z91 F8571									
36.8	N143 X-437 Y26 Z106 F8182									
40.0	N144 X-1028 Y37 Z247 F3780									
40.0	N145 X-1175 Y17 Z270 F3317									
40.0	N146 X-1230 Y89 Z257 F3174									
40.0	N147 X-609 Y67 Z114 F6420									
40.0	N148 X-593 Y88 Z100 F6584									
40.0	N149 X-534 Y113 Z74 F7267									
40.0	N150 X-534 Y142 Z64 F7192									
40.0	N151 X-534 Y165 Z53 F7126									
40.0	N152 X-1071 Y366 Z86 F3523									
40.0	N153 X-1087 Y364 Z73 F3482									
40.0	N154 X-554 Y160 Z39 F6917									
40.0	N155 X-564 Y134 Z44 F6886									
40.0	N156 X-573 Y96 Z51 F6852									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLRECN	IN-CRD	OT-CRD
40.0	N157 X-553 Y51 Z59 F7164									
40.0	N158 X-554 Y15 Z67 F7161									
40.0	N159 X-555 Y-14 Z72 F7152									
40.0	N160 X-554 Y-34 Z75 F7139									
40.0	N161 X-1111 Y-98 Z145 F3558									
40.0	N162 X-1120 Y-86 Z124 F3540									
40.0	N163 X-565 Y-20 Z47 F7048									
40.0	N164 X-568 Y4 Z35 F7025									
40.0	N165 X-549 Y36 Z19 F7264									
40.0	N166 X-551 Y66 Z6 F7215									
40.0	N167 X-1105 Y188 Z-20 F3567									
40.0	N168 X-1121 Y204 Z-44 F3507									
40.0	N169 X-572 Y85 Z-26 F6913									
40.0	N170 X-581 Y61 Z-23 F6836									
40.0	N171 X-592 Y25 Z-18 F6750									
40.0	N172 X-601 Y-19 Z-10 F6655									
40.0	N173 X-610 Y-72 F6508									
40.0	N174 X-596 Y-118 Z8 F6583									
40.0	N175 X-592 Y-152 Z14 F6655									
40.0	N176 X-567 Y-177 Z17 F6727									
40.0	N177 X-1103 Y-386 Z31 F3423									
40.0	N178 X-1075 Y-367 Z10 F3520									
40.0	N179 X-532 Y-154 Z-10 F7223									
40.0	N180 X-528 Y-122 Z-22 F7371									
40.0	N181 X-616 Y-96 Z-46 F6398									
40.0	N182 X-624 Y-77 Z-62 F6340									
40.0	N183 X-1243 Y-112 Z-152 F3181									
40.0	N184 X-1176 Y-85 Z-165 F3359									
40.0	N185 X-1022 Y-96 Z-144 F3859									
35.4	N186 X-425 Y-65 Z-54 F8192									
28.4	N187 X-352 Y-83 Z-34 F7826									
28.5	N188 X-327 Y-118 Z-19 F8182									
30.1	N189 X-315 Y-154 Z-6 F8571									
29.0	N190 X-303 Y-184 Z5 F8182									
29.2	N191 X-292 Y-204 Z12 F8182									
40.0	N192 X-566 Y-437 Z30 F5586									
40.0	N193 X-574 Y-424 Z13 F5606									
27.8	N194 X-300 Y-136 Z-10 F7826									
27.7	N195 X-313 Y-133 Z-25 F7826									
40.0	N196 X-625 Y-274 Z-80 F5824									
40.0	N197 X-623 Y-238 Z-104 F5924									
40.0	N198 X-620 Y-201 Z-128 F6024									
40.0	N199 X-614 Y-164 Z-149 F6124									
40.0	N200 X-607 Y-125 Z-169 F6228									
40.0	N201 Z1000 F4000									
40.0	N202 Y-401 Z122 F9557									
15.3541	10.2068 -11.9759	-0.0000	180.000	PT-LIN	204	000534				0
0.0000										
13.7617	9.7219 -12.1006	-0.0000	180.000	PT-LIN	205	000534				0
0.0000										
13.7617	9.7219 -12.0006	-0.0000	180.000	PT-LIN	207	000534				0
0.0000										
13.7617	9.6818 -11.9884	-0.0000	180.000	PT-LIN	208	000534				0
0.0000										

FEEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
12.0	N203 Z-1000 F1200	13.7617	9.6818	-12.0884	-0.000	180.000	PT-LIN 210 000534	0	0
		0.0000							
40.0	N204 X612 Y125 Z171 F6173								
40.0	N205 X619 Y155 Z155 F6091								
40.0	N206 X625 Y193 Z134 F5007								
40.0	N207 X626 Y228 Z110 F5923								
40.0	N208 X623 Y271 Z92 F5840								
34.1	N209 X317 Y168 Z27 F9474								
30.9	N210 X300 Y199 Z9 F8571								
40.0	N211 X561 Y457 Z-22 F5528								
40.0	N212 X547 Y478 Z-44 F5492								
32.8	N213 X287 Y224 Z-19 F9000								
34.5	N214 X103 Y201 Z-8 F9474								
32.7	N215 X323 Y167 Z3 F9000								
34.4	N216 X541 Y124 Z25 F9174								
35.9	N217 X367 Y83 Z37 F9474								
40.0	N218 X433 Y60 Z56 F9083								
40.0	N219 X490 Y43 Z69 F8049								
40.0	N220 X1712 Y33 Z247 F2310								
40.0	N221 X1236 Y93 Z153 F3202								
40.0	N222 X618 Y71 Z61 F6401								
40.0	N223 X609 Y93 Z46 F6476								
40.0	N224 X520 Y122 Z21 F7477								
40.0	N225 X526 Y154 Z10 F7296								
40.0	N226 X1070 Y368 Z-7 F3536								
40.0	N227 X1103 Y387 Z-27 F3419								
40.0	N228 X570 Y177 Z-14 F6700								
40.0	N229 X585 Y152 Z-12 F6616								
40.0	N230 X601 Y118 Z-7 F6533								
40.0	N231 X616 Y72 Z1 F6447								
40.0	N232 X609 Y18 Z9 F6566								
40.0	N233 X598 Y-30 Z13 F6682								
40.0	N234 X585 Y-67 Z22 F6789								
40.0	N235 X573 Y-93 Z25 F6887								
40.0	N236 X1117 Y-213 Z42 F3510								
40.0	N237 X1036 Y-199 Z18 F3591								
40.0	N238 X544 Y-69 Z-6 F7296								
40.0	N239 X541 Y-37 Z-19 F7368								
40.0	N240 X561 Y-1 Z-35 F7117								
40.0	N241 X559 Y28 Z-48 F7120								
40.0	N242 X1111 Y114 Z-128 F3559								
40.0	N243 X1108 Y134 Z-152 F3551								
40.0	N244 X557 Y52 Z-79 F7084								
40.0	N245 X560 Y28 Z-76 F7066								
40.0	N246 X564 Y-6 Z-70 F7043								
40.0	N247 X565 Y-49 Z-61 F7011								
40.0	N248 X583 Y-100 Z-53 F6737								
40.0	N249 X570 Y-139 Z-45 F6793								
40.0	N250 X559 Y-167 Z-39 F6844								
		16.3759	10.1471	-11.9887	-0.000	180.000	PT-LIN 212 000534	0	0
		0.0000							

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECH	IN-CRD	OT-CRD
40.0	N251 X1088 Y-381 Z-73 F3461								
40.0	N252 X1066 Y-381 Z-84 F3525								
40.0	N253 X528 Y-170 Z-52 F7176								
40.0	N254 X527 Y-145 Z-62 F7277								
40.0	N255 X524 Y-114 Z-73 F7391								
40.0	N256 X585 Y-86 Z-98 F6673								
40.0	N257 X603 Y-63 Z-113 F6484								
40.0	N258 X1223 Y-76 Z-257 F3196								
40.0	N259 X1706 Y-40 Z-398 F2283								
40.0	N260 X926 Y-29 Z-225 F4193								
34.3	N261 X389 Y-34 Z-93 F8571								
31.7	N262 X356 Y-50 Z-82 F8571								
31.8	N264 X353 Y-79 Z-82 F8571								
30.5	N265 X352 Y-91 Z-83 F8182								
30.6	N266 X349 Y-104 Z-82 F8182								
30.7	N267 X347 Y-115 Z-84 F8182								
29.5	N268 X346 Y-126 Z-84 F7826								
40.0	N269 X686 Y-281 Z-175 F5249								
40.0	N270 X342 Y-154 Z-91 F10364	18.0368 0.0000	9.8506	-12.2684	-0.000	180.000	PT-LIN 213 000534	0	
40.0	N271 Z1000 F4000	18.0368 0.0000	9.8506	-12.1684	-0.000	180.000	PT-LIN 215 000534	0	
35.3	N272 X-8 Y-275 Z103 F12000	18.0360 0.0000	9.8231	-12.1581	-0.000	180.000	PT-LIN 216 000534	0	
12.0	N273 Z-1000 F1200	18.0360 0.0000	9.8231	-12.2581	-0.000	180.000	PT-LIN 218 000534	0	
33.0	N274 X-340 Y154 Z90 F8571								
32.7	N275 X-343 Y144 Z88 F8571								
32.5	N276 X-344 Y134 Z87 F8571								
32.4	N277 X-347 Y123 Z86 F8571								
32.2	N278 X-349 Y112 Z84 F8571								
33.7	N279 X-351 Y101 Z84 F9000								
33.6	N280 X-354 Y90 Z83 F9000								
33.6	N281 X-355 Y78 Z82 F9000								
33.5	N282 X-357 Y66 Z82 F9000								
33.5	N283 X-360 Y53 Z81 F9000								
34.8	N284 X-393 Y36 Z92 F8571								
40.0	N285 X-439 Y14 Z106 F8957								
40.0	N286 X-490 Y3 Z120 F7932								
40.0	N287 X-1105 Y-2 Z265 F3519								
40.0	N288 X-1202 Y25 Z270 F3247								
40.0	N289 X-608 Y36 Z125 F6436								
40.0	N290 X-597 Y57 Z113 F6552								
40.0	N291 X-577 Y82 Z90 F6770								
40.0	N292 X-514 Y116 Z71 F7519								
40.0	N293 X-519 Y151 Z50 F7362								
40.0	N294 X-522 Y177 Z50 F7223								
40.0	N295 X-1058 Y402 Z81 F3525								
40.0	N296 X-1090 Y402 Z71 F3436								

FEEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N297 X-553 Y176 Z39 F6763									
40.0	N298 X-579 Y144 Z46 F6691									
40.0	N299 X-594 Y100 Z55 F6614									
40.0	N300 X-579 Y47 Z64 F6839									
40.0	N301 X-574 Y-1 Z73 F6909									
40.0	N302 X-568 Y-37 Z78 F6970									
40.0	N303 X-560 Y-61 Z79 F7024									
40.0	N304 X-1107 Y-154 Z153 F3547									
40.0	N305 X-1100 Y-132 Z128 F3588									
40.0	N306 X-550 Y-34 Z48 F7227									
40.0	N307 X-550 Y-1 Z35 F7257									
40.0	N308 X-533 Y35 Z20 F7486									
40.0	N309 X-537 Y65 Z8 F7386									
40.0	N310 X-1090 Y186 Z-9 F3618									
40.0	N311 X-1119 Y202 Z-31 F3519									
40.0	N312 X-574 Y83 Z-19 F6889									
40.0	N313 X-586 Y60 Z-17 F6783									
40.0	N314 X-600 Y24 Z-13 F6668									
40.0	N315 X-610 Y-20 Z-8 F6544									
40.0	N316 X-616 Y-72 Z-1 F6454									
40.0	N317 X-601 Y-115 Z5 F6536									
40.0	N318 X-586 Y-148 Z9 F6615									
40.0	N319 X-572 Y-172 Z11 F6697									
40.0	N320 X-1107 Y-378 Z19 F3419									
40.0	N321 X-1070 Y-360 Z2 F3544									
40.0	N322 X-524 Y-152 Z-11 F7336									
40.0	N323 X-516 Y-121 Z-21 F7540									
40.0	N324 X-602 Y-92 Z-45 F6550									
40.0	N325 X-612 Y-66 Z-60 F6459									
40.0	N326 X-1230 Y-80 Z-152 F3223									
40.0	N327 X-1708 Y-73 Z-246 F2315									
40.0	N328 X-493 Y-37 Z-69 F8016									
36.5	N329 X-438 Y-56 Z-56 F9182									
30.5	N330 X-379 Y-83 Z-39 F7826									
30.8	N331 X-353 Y-129 Z-21 F8182									
30.7	N332 X-330 Y-173 Z-3 F8182									
30.6	N333 X-304 Y-217 Z13 F8182									
30.5	N334 X-232 Y-241 Z22 F8182									
40.0	N335 X-531 Y-513 Z52 F5406									
40.0	N336 X-549 Y-481 Z26 F5478									
28.3	N337 X-300 Y-203 Z-9 F7826									
28.2	N338 X-319 Y-186 Z-29 F7826									
40.0	N339 X-624 Y-261 Z-88 F5864									
40.0	N340 X-630 Y-217 Z-114 F5921									
40.0	N341 X-629 Y-180 Z-138 F5976									
40.0	N342 X-627 Y-148 Z-158 F6028									
40.0	N343 X-623 Y-124 Z-176 F6074									
40.0	N344 Z1000 F4000									
		15.5983	10.1463	-11.9464	-0.000	180.000	PT-LIN	220	000534	0
		0.0000								
		13.7618	9.6404	-12.0762	-0.000	180.000	PT-LIN	221	000534	0
		0.0000								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	DT-CRD
40.0	N345 X6 Y-422 Z121 F9098	13.7618	9.6404	-11.9762	-0.000	180.000	PT-LIN 223	000534	0
		0.0000							
12.0	N346 Z-1000 F1200	13.7624	9.5982	-11.9641	-0.000	180.000	PT-LIN 224	000534	0
		0.0000							
40.0	N347 X635 Y121 Z180 F5964	13.7624	9.5982	-12.0641	-0.000	180.000	PT-LIN 226	000534	0
		0.0000							
40.0	N348 X637 Y146 Z161 F5944								
40.0	N349 X638 Y174 Z141 F5913								
40.0	N350 X638 Y206 Z120 F5875								
40.0	N351 X636 Y239 Z95 F5830								
32.3	N352 X321 Y156 Z33 F9000								
31.0	N353 X299 Y203 Z11 F8571								
40.0	N354 X537 Y496 Z-26 F5464								
40.0	N355 X512 Y541 Z-56 F5352								
32.4	N356 X276 Y257 Z-25 F8571								
36.0	N357 X303 Y230 Z-14 F9474								
34.5	N358 X334 Y189 Z2 F9000								
36.7	N359 X363 Y132 Z22 F9474								
37.2	N360 X382 Y8 Z39 F9474								
40.0	N361 X440 Y53 Z55 F8959								
40.0	N362 X492 Y35 Z69 F8021								
40.0	N363 X1705 Y60 Z240 F2322								
40.0	N364 X1223 Y73 Z148 F3240								
40.0	N365 X609 Y65 Z59 F6502								
40.0	N366 X598 Y91 Z43 F6604								
40.0	N367 X517 Y121 Z21 F7525								
40.0	N368 X526 Y147 Z13 F7321								
40.0	N369 X1077 Y344 Z6 F3537								
40.0	N370 X1115 Y354 Z-9 F3421								
40.0	N371 X572 Y161 Z-7 F6726								
40.0	N372 X583 Y140 Z-5 F6669								
40.0	N373 X595 Y109 Z-3 F6617								
40.0	N374 X606 Y70 F6501								
40.0	N375 X601 Y28 Z5 F6646								
40.0	N376 X592 Y-8 Z7 F6750								
40.0	N377 X584 Y-37 Z9 F6839								
40.0	N378 X575 Y-57 Z8 F6922								
40.0	N379 X1124 Y-149 Z12 F3527								
40.0	N380 X1092 Y-144 Z-5 F6231								
40.0	N381 X535 Y-52 Z-13 F7444								
40.0	N382 X527 Y-29 Z-21 F7572								
40.0	N383 X538 Y4 Z-35 F7427								
40.0	N384 X540 Y37 Z-47 F7357								
40.0	N385 X1089 Y135 Z-124 F3623								
40.0	N386 X1107 Y156 Z-149 F3546								
40.0	N337 X564 Y63 Z-78 F6973								
40.0	N388 X575 Y37 Z-77 F6886								
40.0	N389 X584 Y4 Z-74 F6791								
40.0	N390 X593 Y-43 Z-67 F6687								
		15.3597	10.0861	-11.9681	-0.000	180.000	PT-LIN 228	000534	0
		0.0000							

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N391 X507 Y-97 Z-59 F8476								
40.0	N392 X589 Y-147 Z-48 F6576								
40.0	N393 X569 Y-183 Z-40 F6672								
40.0	N394 X1092 Y-424 Z-69 F3409								
40.0	N395 X1049 Y-427 Z-75 F3524								
40.0	N396 X515 Y-188 Z-48 F7272								
40.0	N397 X510 Y-158 Z-57 F7453								
40.0	N398 X504 Y-117 Z-C8 F7657								
40.0	N399 X568 Y-78 Z-96 F8881								
40.0	N400 X591 Y-48 Z-113 F6628								
40.0	N401 X603 Y-22 Z-126 F6490								
40.0	N402 X1195 Y7 Z-274 F3262								
40.0	N403 X1104 Y30 Z-270 F3519								
40.0	N404 X492 Y5 Z-121 F7890								
39.2	N405 X445 Y-15 Z-106 F8571								
35.9	N406 X407 Y-45 Z-90 F8571								
40.0	N407 X357 Y-64 Z-77 F10807								
31.8	N408 X355 Y-71 Z-79 F8571								
31.9	N409 X354 Y-78 Z-81 F8571								
32.0	N410 X353 Y-88 Z-83 F8571								
30.7	N411 X352 Y-96 Z-85 F8182								
30.8	N412 X351 Y-107 Z-86 F8182								
31.0	N413 X350 Y-119 Z-88 F8182								
31.2	N414 X347 Y-130 Z-88 F8182								
31.4	N415 X345 Y-144 Z-89 F8182								
40.0	N416 X342 Y-158 Z-90 F10334								
40.0	N417 Z1000 F4000	18.0359	9.7960	-12.2483	-0.000	180.000	PT-LIN 229 000534	0	0
		0.0000							
40.0	N418 X-80 Y-851 Z309 F4398	18.0359	9.7960	-12.1483	-0.000	180.000	PT-LIN 231 000534	0	0
		0.0000							
12.0	N419 Z-1000 F1200	18.0279	9.7109	-12.1174	-0.000	180.000	PT-LIN 232 000534	0	0
		0.0000							
34.2	N420 X-303 Y256 Z46 F9571	18.0279	9.7109	-12.2174	-0.000	180.000	PT-LIN 234 000534	0	0
33.9	N421 X-317 Y232 Z53 F8571								
33.7	N422 X-329 Y206 Z58 F8571								
33.4	N423 X-338 Y184 Z63 F8571								
33.2	N424 X-346 Y161 Z66 F8571								
32.9	N425 X-350 Y143 Z69 F8571								
32.7	N426 X-353 Y127 Z70 F8571								
32.5	N427 X-355 Y115 Z69 F8571								
32.4	N428 X-356 Y109 Z67 F8571								
33.9	N429 X-356 Y105 Z83 F9000								
33.3	N430 X-441 Y92 Z84 F8571								
40.0	N431 X-467 Y46 Z100 F8328								
40.0	N432 X-505 Y4 Z120 F7712								
40.0	N433 X-1106 Y-66 Z278 F3501								
40.0	N434 X-1182 Y-67 Z285 F3286								
40.0	N435 X-594 Y-6 Z131 F6576								
40.0	N436 X-581 Y24 Z116 F6739								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N437 X-558 Y59 Z98 F7020									
40.0	N438 X-497 Y104 Z72 F7810									
40.0	N439 X-505 Y146 Z60 F7553									
40.0	N440 X-514 Y178 Z51 F7331									
40.0	N441 X-1052 Y409 Z87 F3534									
40.0	N442 X-1099 Y407 Z81 F3404									
40.0	N443 X-574 Y175 Z45 F6652									
40.0	N444 X-591 Y140 Z53 F6555									
40.0	N445 X-610 Y93 Z61 F6454									
40.0	N446 X-591 Y44 Z65 F6703									
40.0	N447 X-584 Y8 Z68 F6806									
40.0	N448 X-575 Y-22 Z71 F6897									
40.0	N449 X-567 Y-42 Z70 F6982									
40.0	N450 X-1112 Y-119 Z133 F3554									
40.0	N451 X-1086 Y-112 Z114 F3643									
40.0	N452 X-536 Y-36 Z45 F7426									
40.0	N453 X-531 Y-11 Z36 F7515									
40.0	N454 X-526 Y17 Z25 F7580									
40.0	N455 X-536 Y40 Z16 F7443									
40.0	N456 X-1096 Y124 Z11 F3628									
40.0	N457 X-1125 Y131 Z-7 F3530									
40.0	N458 X-574 Y50 Z-6 F6949									
40.0	N459 X-580 Y29 Z-7 F6883									
40.0	N460 X-587 Y2 Z-6 F6814									
40.0	N461 X-594 Y-34 Z-2 F6730									
40.0	N462 X-597 Y-75 F6643									
40.0	N463 X-588 Y-109 Z4 F6683									
40.0	N464 X-580 Y-137 Z5 F6716									
40.0	N465 X-571 Y-156 Z5 F6755									
40.0	N466 X-564 Y-167 Z3 F6809									
40.0	N467 X-1102 Y-336 Z-3 F3471									
40.0	N468 X-539 Y-153 Z-10 F7142									
40.0	N469 X-529 Y-132 Z-17 F7325									
40.0	N470 X-519 Y-104 Z-27 F7545									
40.0	N471 X-591 Y-72 Z-47 F6706									
40.0	N472 X-603 Y-43 Z-63 F6578									
40.0	N473 X-609 Y-20 Z-74 F6513									
40.0	N474 X-607 Y-6 Z-83 F6535									
40.0	N475 X-1709 Y-8 Z-252 F2315									
40.0	N476 X-502 Y-30 Z-70 F7869									
38.0	N477 X-457 Y-60 Z-55 F8182									
33.2	N478 X-411 Y-98 Z-39 F7826									
40.0	N479 X-402 Y-158 Z-22 F9239									
34.3	N480 X-358 Y-218 F8182									
33.3	N481 X-311 Y-261 Z19 F8182									
32.5	N482 X-271 Y-290 Z32 F8182									
31.9	N483 X-242 Y-302 Z38 F8182									
40.0	N484 X-464 Y-587 Z64 F5331									
29.4	N485 X-249 Y-259 Z15 F8182									

15.5981 10.0586 -11.9194 -0.000 180.000 PT-LIN 236 000534 0
0.0000

FEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
27.5	N486 X-272 Y-222 Z-3 F7826									
26.9	N487 X-296 Y-173 Z-24 F7826									
26.7	N488 X-309 Y-138 Z-39 F7826									
40.0	N489 X-630 Y-240 Z-100 F5869									
40.0	N490 X-641 Y-187 Z-129 F5879									
40.0	N491 X-647 Y-131 Z-158 F5894									
27.7	N492 X-324 Y-43 Z-50 F8182									
26.4	N493 X-322 Y-26 Z-97 F7826									
40.0	N494 X-320 Y-11 Z-105 F11877	13.7664	9.5602	-12.0524	-0.000	180.000	PT-LIN	237	000534	0
		0.0000								
40.0	N495 Z1000 F4000	13.7664	9.5602	-11.9524	-0.000	180.000	PT-LIN	239	000534	0
		0.0000								
40.0	N496 X91 Y-433 Z146 F8575	13.7755	9.5169	-11.9378	-0.000	180.000	PT-LIN	240	000534	0
		0.0000								
12.0	N497 Z-1000 F1200	13.7755	9.5169	-12.0378	-0.000	180.000	PT-LIN	242	000534	0
		0.0000								
32.8	N498 X310 Y-18 Z104 F10000									
31.2	N499 X315 Y6 Z96 F9474									
31.3	N500 X317 Y28 Z89 F9474									
31.4	N501 X318 Y48 Z80 F9474									
31.4	N502 X317 Y66 Z74 F9474									
29.9	N503 X314 Y84 Z65 F9000									
29.9	N504 X312 Y100 Z58 F9000									
29.9	N505 X508 Y117 Z51 F9000									
29.9	N506 X302 Y130 Z43 F9000									
29.9	N507 X298 Y145 Z36 F9000									
28.8	N508 X264 Y180 Z17 F9000									
28.9	N509 X244 Y232 Z-2 F8571									
30.4	N510 X226 Y273 Z-19 F8571									
40.0	N511 X435 Y620 Z-69 F5258									
34.6	N512 X240 Y321 Z-37 F8571									
35.8	N513 X278 Y310 Z-30 F8571									
40.0	N514 X330 Y281 Z-16 F9230									
40.0	N515 X387 Y235 Z5 F8838									
40.0	N516 X440 Y173 Z27 F8448									
40.0	N517 X439 Y109 Z40 F8800									
40.0	N518 X475 Y65 Z56 F8294									
40.0	N519 X513 Y29 Z70 F7714									
40.0	N520 X1120 Y-8 Z166 F3531									
40.0	N521 X1195 Y-23 Z169 F3314									
40.0	N522 X604 Y6 Z75 F6572									
40.0	N523 X597 Y30 Z63 F6653									
40.0	N524 X583 Y60 Z48 F6799									
40.0	N525 X521 Y95 Z28 F7546									
40.0	N526 X531 Y124 Z19 F7329									
40.0	N527 X540 Y147 Z11 F7151									
40.0	N528 X1102 Y325 Z5 F3481									
40.0	N529 X561 Y104 Z-3 F6842									
40.0	N530 X568 Y153 Z-5 F6801									
40.0	N531 X574 Y136 Z-5 F6777									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N532 X582 Y110 Z-4 F6759								
40.0	N533 X589 Y76 Z-1 F6735								
40.0	N534 X586 Y38 Z2 F6814								
40.0	N535 X581 Y4 Z4 F6883								
40.0	N536 X576 Y-23 Z6 F6935								
40.0	N537 X571 Y-42 Z5 F6985								
40.0	N538 X1125 Y-113 Z3 F3538	15.7118	10.0075	-11.9057	-0.000	180.000	PT-LIN 244	000534	0
40.0	N539 X1099 Y-104 Z-15 F3626	0.0000							
40.0	N540 X537 Y-32 Z-18 F7429								
40.0	N541 X528 Y-9 Z-26 F7562								
40.0	N542 X532 Y16 Z-36 F7501								
40.0	N543 X537 Y34 Z-45 F7413								
40.0	N544 X1090 Y98 Z-107 F3637								
40.0	N545 X1115 Y96 Z-125 F3553								
40.0	N546 X567 Y31 Z-66 F6996								
40.0	N547 X573 Y12 Z-66 F6926								
40.0	N548 X580 Y-13 Z-66 F6851								
40.0	N549 X586 Y-45 Z-64 F6763								
40.0	N550 X611 Y-90 Z-62 F6446								
40.0	N551 X594 Y-134 Z-56 F6546								
40.0	N552 X576 Y-166 Z-50 F6644								
40.0	N553 X561 Y-188 Z-46 F6747								
40.0	N554 X1078 Y-397 Z-92 F3468								
40.0	N555 X522 Y-189 Z-50 F7185								
40.0	N556 X511 Y-167 Z-55 F7400								
40.0	N557 X500 Y-135 Z-62 F7661								
40.0	N558 X486 Y-93 Z-72 F7969								
40.0	N559 X546 Y-45 Z-99 F7197								
40.0	N560 X567 Y-1 Z-118 F6897								
40.0	N561 X580 Y34 Z-133 F6710								
40.0	N562 X1726 Y191 Z-442 F2232								
40.0	N563 X549 Y35 Z-139 F7055								
40.0	N564 X528 Y-16 Z-120 F7382								
40.0	N565 X506 Y-77 Z-98 F7677								
40.0	N566 X493 Y-137 Z-84 F7720								
33.4	N567 X375 Y-150 Z-55 F8182								
33.5	N568 X373 Y-158 Z-57 F8182								
33.8	N569 X372 Y-169 Z-59 F8182								
34.1	N570 X371 Y-183 Z-59 F8182								
34.6	N571 X367 Y-201 Z-60 F8182								
35.2	N572 X364 Y-222 Z-58 F8182								
35.9	N573 X358 Y-246 Z-57 F8182								
36.7	N574 X352 Y-274 Z-55 F8182								
37.8	N575 X343 Y-304 Z-53 F8182								
40.0	N576 X331 Y-338 Z-51 F8400								
40.0	N577 Z1000 F4000	18.0529	9.6226	-12.2030	-0.000	180.000	PT-LIN 245	000534	0
		0.0000							
40.0	N578 X469 Y-1003 Z40 F3612	18.0529	9.6226	-12.1030	-0.000	180.000	PT-LIN 247	000534	0
		0.0000							

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
12.0	N579 Z-1000 F1200	18.0998 0.0000	9.5223 -12.0990	-0.000	180.000	PT-LIN 248	000534	0	
	N580 X-447 Y441 Z108 F6284	18.0998 0.0000	9.5223 -12.1990	-0.000	180.000	PT-LIN 250	000534	0	
40.0	N581 X-412 Y383 Z82 F6936								
40.0	N582 X-400 Y350 Z66 F7465								
40.0	N583 X-390 Y320 Z56 F7875								
40.0	N584 X-386 Y295 Z51 F8178								
40.0	N585 X-387 Y274 Z48 F8395								
40.0	N586 X-391 Y255 Z48 F8542								
39.7	N587 X-396 Y235 Z48 F8571								
39.2	N588 X-403 Y215 Z50 F8571								
40.0	N589 X-412 Y192 Z54 F8571								
40.0	N590 X-545 Y164 Z91 F6946								
40.0	N591 X-546 Y94 Z103 F7096								
40.0	N592 X-554 Y20 Z123 F7041								
40.0	N593 X-560 Y-41 Z140 F6904								
40.0	N594 X-566 Y-79 Z150 F6778								
40.0	N595 X-1137 Y-172 Z296 F3367								
40.0	N596 X-564 Y-55 Z133 F6869								
40.0	N597 X-553 Y-15 Z117 F7086								
40.0	N598 X-530 Y37 Z96 F7405								
40.0	N599 X-481 Y87 Z72 F8100								
40.0	N600 X-496 Y126 Z64 F7752								
40.0	N601 X-509 Y156 Z58 F7459								
40.0	N602 X-523 Y176 Z54 F7219								
40.0	N603 X-1085 Y371 Z102 F3475								
40.0	N604 X-563 Y175 Z52 F6754								
40.0	N605 X-578 Y156 Z54 F6654								
40.0	N606 X-594 Y126 Z58 F6563								
40.0	N607 X-609 Y87 Z63 F6470								
40.0	N608 X-579 Y45 Z62 F6849								
40.0	N609 X-574 Y16 Z64 F6918								
40.0	N610 X-570 Y-8 Z65 F6971								
40.0	N611 X-566 Y-26 Z64 F7020								
40.0	N612 X-1117 Y-85 Z121 F3550								
40.0	N613 X-1097 Y-90 Z105 F3618								
40.0	N614 X-541 Y-33 Z43 F7353								
40.0	N615 X-537 Y-17 Z36 F7426								
40.0	N616 X-532 Y5 Z27 F7509								
40.0	N617 X-540 Y25 Z18 F7393								
40.0	N618 X-1102 Y86 Z18 F3620								
40.0	N619 X-1123 Y93 F3548								
40.0	N620 X-568 Y33 Z-4 F7033								
40.0	N621 X-571 Y16 Z-4 F7002								
40.0	N622 X-574 Y-9 Z-4 F6968								
40.0	N623 X-577 Y-40 Z-2 F6918								
40.0	N624 X-580 Y-77 Z2 F6836								
40.0	N625 X-574 Y-110 Z4 F6844								
		15.7097 0.0000	9.9613 -11.8930	-0.000	180.000	PT-LIN 252	000534	0	

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLRECN	IN-CRD	OT-CRD
40.0	N626 X-568 Y-135 Z5 F6846									
40.0	N627 X-563 Y-153 Z5 F6857									
40.0	N628 X-558 Y-163 Z4 F6886									
40.0	N629 X-1099 Y-322 Z-4 F3494									
40.0	N630 X-539 Y-144 Z-11 F7159									
40.0	N631 X-532 Y-122 Z-18 F7323									
40.0	N632 X-524 Y-91 Z-28 F7523									
40.0	N633 X-577 Y-57 Z-45 F6869									
40.0	N634 X-592 Y-25 Z-61 F6714									
40.0	N635 X-600 Y-2 Z-72 F6626									
40.0	N636 X-1189 Y32 Z-162 F3332									
40.0	N637 X-1123 Y12 Z-160 F3525									
40.0	N638 X-520 Y-29 Z-69 F7617									
38.7	N639 X-487 Y-66 Z-56 F7826									
37.0	N640 X-457 Y-113 Z-42 F7826									
39.1	N641 X-466 Y-178 Z-33 F7826									
40.0	N642 X-410 Y-243 Z-12 F6393									
37.1	N643 X-350 Y-289 Z7 F8182									
35.5	N644 X-294 Y-318 Z22 F8182									
34.0	N645 X-249 Y-330 Z31 F8182									
40.0	N646 X-430 Y-637 Z62 F5191									
30.0	N647 X-211 Y-279 Z19 F8571									
25.4	N648 X-221 Y-236 Z4 F7826									
23.3	N649 X-235 Y-183 Z-12 F7826									
25.2	N650 X-285 Y-145 Z-33 F7826									
40.0	N651 X-251 Y-132 Z-41 F12413									
26.4	N652 X-297 Y-115 Z-48 F8182									
26.3	N653 X-302 Y-99 Z-56 F8182									
26.3	N654 X-304 Y-81 Z-62 F8182									
26.2	N655 X-307 Y-63 Z-70 F8182									
26.1	N656 X-307 Y-42 Z-76 F8182									
28.6	N657 X-307 Y-20 Z-84 F9000									
27.1	N658 X-303 Y4 Z-90 F8571									
40.0	N659 X-297 Y28 Z-98 F12720									
40.0	N660 Z1000 F4000	13.7859 0.0000	9.4690	-12.0222	-0.000	180.000	PT-LIN	253	000534	0
40.0	N661 X80 Y-518 Z150 F7334	13.7859 0.0000	9.4690	-11.9222	-0.000	180.000	PT-LIN	255	000534	0
12.0	N662 Z-1000 F1200	13.7939 0.0000	9.4172	-11.9072	-0.000	180.000	PT-LIN	258	000534	0
30.4	N663 X290 Y-21 Z90 F10000	13.7939 0.0000	9.4172	-12.0072	-0.000	180.000	PT-LIN	258	000534	0
29.0	N664 X294 Y1 Z83 F9474									
29.2	N665 X297 Y22 Z78 F9474									
29.4	N666 X299 Y42 Z72 F9474									
29.5	N667 X298 Y60 Z67 F9474									
29.6	N668 X296 Y80 Z59 F9474									
28.2	N669 X293 Y96 Z54 F9000									
28.2	N670 X289 Y112 Z47 F9000									
28.2	N671 X284 Y128 Z40 F9000									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
28.3	N672 X278 Y142 Z34 F9000								
25.2	N673 X215 Y179 Z10 F9000								
27.1	N674 X213 Y234 Z-3 F8571								
29.9	N675 X212 Y277 Z-13 F8571								
40.0	N676 X458 Y631 Z-14 F5125								
36.3	N677 X268 Y327 Z-20 F8571								
40.0	N678 X312 Y314 Z-11 F9041								
40.0	N679 X363 Y284 Z3 F8669								
40.0	N680 X417 Y228 Z18 F8320								
40.0	N681 X467 Y174 Z36 F8011								
40.0	N682 X454 Y109 Z43 F8531								
40.0	N683 X465 Y65 Z54 F8127								
40.0	N684 X518 Y31 Z65 F7644								
40.0	N685 X548 Y6 Z73 F7233								
40.0	N686 X1160 Y-21 Z153 F3418								
40.0	N687 X597 Y-7 Z74 F6652								
40.0	N688 X597 Y7 Z66 F6654								
40.0	N689 X590 Y30 Z57 F6737								
40.0	N690 X577 Y60 Z42 F6882								
40.0	N691 X527 Y96 Z26 F7456								
40.0	N692 X534 Y125 Z16 F7290								
40.0	N693 X540 Y146 Z9 F7152								
40.0	N694 X1094 Y327 Z2 F3504								
40.0	N695 X553 Y164 Z-5 F6930								
40.0	N696 X558 Y153 Z-6 F6914								
40.0	N697 X562 Y136 Z-5 F6919								
40.0	N698 X566 Y110 Z-5 F6934								
40.0	N699 X571 Y76 Z-1 F6945								
40.0	N700 X565 Y41 Z2 F7053								
40.0	N701 X565 Y13 Z3 F7084								
40.0	N702 X564 Y-7 Z4 F7090								
40.0	N703 X563 Y-24 Z3 F7094								
40.0	N704 X1122 Y-72 Z-2 F3559								
40.0	N705 X1107 Y-70 Z-20 F3606								
40.0	N706 X545 Y-21 Z-19 F7324								
40.0	N707 X539 Y-5 Z-25 F7409								
40.0	N708 X545 Y14 Z-35 F7332								
40.0	N709 X547 Y31 Z-42 F7277								
40.0	N710 X1104 Y89 Z-105 F3595								
40.0	N711 X1117 Y85 Z-121 F3550								
40.0	N712 X563 Y27 Z-64 F7052								
40.0	N713 X566 Y9 Z-65 F7025								
40.0	N714 X568 Y-16 Z-83 F6992								
40.0	N715 X571 Y-45 Z-61 F6945								
40.0	N716 X602 Y-84 Z-63 F6544								
40.0	N717 X590 Y-117 Z-59 F6617								
40.0	N718 X578 Y-143 Z-58 F6688								
40.0	N719 X1119 Y-329 Z-112 F3414								
40.0	N720 X1065 Y-330 Z-115 F3566								
		15.6507	9.9152	-11.8805	-0.000	180.000	PT-LIN 260 000534	0	
		0.0000							

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N721 X511 Y-145 Z-61 F7486									
40.0	N722 X495 Y-120 Z-65 F7797									
40.0	N723 X477 Y-86 Z-70 F8163									
40.0	N724 X515 Y-36 Z-92 F7631									
40.0	N725 X537 Y20 Z-113 F7279									
40.0	N726 X551 Y82 Z-130 F7027									
40.0	N727 X1120 Y186 Z-289 F3414									
40.0	N728 X565 Y86 Z-147 F6775									
40.0	N729 X569 Y48 Z-142 F6799									
40.0	N730 X574 Y-10 Z-129 F6805									
40.0	N731 X578 Y-87 Z-114 F6717									
40.0	N732 X589 Y-167 Z-103 F6442									
40.0	N733 X461 Y-225 Z-60 F7739									
40.0	N734 X437 Y-374 Z-45 F7729									
40.0	N735 X413 Y-311 Z-34 F7717									
40.0	N736 X396 Y-337 Z-29 F7684									
40.0	N737 X386 Y-356 Z-29 F7601									
40.0	N738 X385 Y-375 Z-34 F7425									
40.0	N739 X402 Y-393 Z-48 F7392									
40.0	N740 X443 Y-418 Z-78 F6511									
40.0	N741 X534 Y-458 Z-141 F5576									
40.0	N742 X717 Y-538 Z-288 F4249									
40.0	N743 Z1000 F4000	18.1573 0.0000	9.4217	-12.2072	-0.000	180.000	PT-LIN	281	000534	0
40.0	N744 X-45 Y-797 Z229 F4818	18.1573 0.0000	9.4217	-12.1072	-0.000	180.000	PT-LIN	263	000534	0
12.0	N745 Z-1000 F1200	18.1528 0.0000	9.3420	-12.0843	-0.000	180.000	PT-LIN	284	000534	0
40.0	N746 X-952 Y519 Z:111 F3449	18.1528 0.0000	9.3420	-12.1843	-0.000	180.000	PT-LIN	266	000534	0
40.0	N747 X-504 Y465 Z113 F5755									
40.0	N748 X-364 Y455 Z32 F6852									
40.0	N749 X-319 Y454 Z3 F7214									
40.0	N750 X-312 Y452 Z-8 F7283									
40.0	N751 X-329 Y444 Z-10 F7240									
40.0	N752 X-359 Y428 Z-4 F7158									
40.0	N753 X-404 Y395 Z16 F7077									
40.0	N754 X-460 Y336 Z37 F7011									
40.0	N755 X-517 Y243 Z74 F6940									
40.0	N756 X-621 Y142 Z121 F6175									
40.0	N757 X-593 Y53 Z127 F6560									
40.0	N758 X-579 Y-12 Z135 F6732									
40.0	N759 X-569 Y-58 Z141 F6785									
40.0	N760 X-565 Y-83 Z143 F6833									
40.0	N761 X-1113 Y-171 Z275 F3449									
40.0	N762 X-544 Y-54 Z123 F7141									
40.0	N763 X-527 Y-13 Z107 F7434									
40.0	N764 X-501 Y46 Z85 F7844									
40.0	N765 X-479 Y93 Z69 F8114									
40.0	N766 X-497 Y117 Z65 F7765									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	PT-LIN	268	000534	0
40.0	N767 X-516 Y135 Z64 F7458											
40.0	N768 X-1078 Y200 Z125 F3555											
40.0	N769 X-1126 Y289 Z122 F3421											
40.0	N770 X-576 Y126 Z60 F6752											
40.0	N771 X-582 Y106 Z61 F6725											
40.0	N772 X-589 Y80 Z61 F6694											
40.0	N773 X-564 Y45 Z60 F7034											
40.0	N774 X-563 Y12 Z63 F7065											
40.0	N775 X-561 Y-14 Z60 F7031											
40.0	N776 X-559 Y-53 Z60 F7090											
40.0	N777 X-1114 Y-97 Z124 F3554											
40.0	N778 X-1109 Y-94 Z106 F3578											
40.0	N779 X-552 Y-29 Z42 F7210											
40.0	N780 X-551 Y-7 Z32 F7246											
40.0	N781 X-552 Y11 Z24 F7248											
40.0	N782 X-554 Y20 Z18 F7210											
40.0	N783 X-1116 Y56 Z20 F3578											
40.0	N784 X-1120 Y49 Z3 F3569											
40.0	N785 X-557 Y13 Z-2 F7173											
40.0	N786 X-555 Z-3 F7212											
40.0	N787 X-551 Y-19 Z-3 F7249											
40.0	N788 X-549 Y-40 Z-2 F7265											
40.0	N789 X-562 Y-73 Z1 F7065											
40.0	N790 X-558 Y-109 Z4 F7029											
40.0	N791 X-556 Y-137 Z6 F6993											
40.0	N792 X-552 Y-157 Z7 F6969											
40.0	N793 X-549 Y-168 Z6 F6965											
40.0	N794 X-1089 Y-340 Z3 F3505											
40.0	N795 X-541 Y-156 Z-7 F7111											
40.0	N796 X-538 Y-135 Z-14 F7211											
40.0	N797 X-535 Y-106 Z-23 F7327											
40.0	N798 X-582 Y-73 Z-39 F6795											
40.0	N799 X-595 Y-45 Z-51 F6683											
40.0	N800 X-600 Y-24 Z-61 F6626											
40.0	N801 X-598 Y-10 Z-57 F6618											
40.0	N802 X-1155 Y-11 Z-140 F3439											
40.0	N803 X-540 Y-18 Z-66 F7334											
40.0	N804 X-503 Y-36 Z-59 F7809											
33.3	N805 X-461 Y-63 Z-60 F6152											
33.6	N806 X-416 Y-91 Z-59 F7826											
35.6	N807 X-426 Y-157 Z-32 F7826											
36.9	N808 X-393 Y-219 Z-19 F8182											
40.0	N809 X-359 Y-264 Z-8 F8972											
37.6	N810 X-327 Y-243 F8571											
35.0	N811 X-258 Y-303 Z3 F8182											
40.0	N812 X-529 Y-597 Z13 F5016											
29.2	N813 X-240 Y-263 Z2 F6182											
25.0	N814 X-229 Y-222 Z-5 F7826											
21.6	N815 X-220 Y-167 Z-15 F7326											

15.6481 9.8635 -11.8680 -0.090 180.000 PT-LIN 268 000534 0
0.0000

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
24.5	N816 X-281 Y-132 Z-37 F7826								
24.4	N817 X-284 Y-119 Z-43 F7826								
25.4	N818 X-288 Y-106 Z-48 F8182								
25.3	N819 X-291 Y-92 Z-53 F8182								
25.3	N820 X-292 Y-79 Z-59 F8182								
25.2	N821 X-295 Y-65 Z-63 F8182								
25.2	N822 X-295 Y-52 Z-69 F8182								
25.1	N823 X-296 Y-37 Z-73 F8182								
26.2	N824 X-295 Y-23 Z-77 F8571								
40.0	N825 X-295 Y-9 Z-82 F13085								
40.0	N826 Z1000 F4000	13.7963	9.3614	-11.9939	-0.000	180.000	PT-LIN 269	000534	0
		0.0000							
40.0	N827 X-12 Y-440 Z90 F8891	13.7963	9.3614	-11.8939	-0.000	180.000	PT-LIN 271	000534	0
		0.0000							
12.0	N828 Z-1000 F1200	13.7951	9.3174	-11.8849	-0.000	180.000	PT-LIN 272	000534	0
		0.0000							
		13.7951	9.3174	-11.9849	-0.000	180.000	PT-LIN 274	000534	0
		0.0000							
29.2	N829 X296 Y23 Z81 F9474								
29.1	N830 X296 Y34 Z75 F9474								
29.1	N831 X295 Y47 Z72 F9474								
29.0	N832 X294 Y58 Z66 F9474								
29.0	N833 X291 Y69 Z62 F9474								
40.0	N834 X289 Y82 Z57 F13093								
27.5	N835 X285 Y94 Z52 F9000								
27.5	N836 X283 Y107 Z47 F9000								
27.5	N837 X278 Y119 Z41 F9000								
27.6	N838 X274 Y133 Z36 F9000								
24.1	N839 X214 Y160 Z14 F9000								
28.7	N840 X246 Y203 Z13 F9000								
32.9	N841 X280 Y235 Z13 F9000								
40.0	N842 X645 Y520 Z26 F4826								
39.3	N843 X349 Y262 Z12 F9000								
39.0	N844 X355 Y248 Z12 F9000								
37.9	N845 X357 Y224 Z13 F9000								
36.4	N846 X357 Y188 Z17 F9000								
37.0	N847 X362 Y143 Z23 F9474								
36.3	N848 X370 Y99 Z32 F9474								
40.0	N849 X433 Y70 Z44 F9063								
40.0	N850 X486 Y47 Z55 F8115								
40.0	N851 X531 Y32 Z62 F7467								
40.0	N852 X1152 Y44 Z132 F3448								
40.0	N853 X600 Y26 Z64 F6618								
40.0	N854 X605 Y38 Z58 F6573								
40.0	N855 X600 Y56 Z50 F6605								
40.0	N856 X592 Y82 Z38 F6683								
40.0	N857 X543 Y111 Z23 F7218								
40.0	N858 X543 Y137 Z14 F7134								
40.0	N859 X544 Y157 Z7 F7063								
40.0	N860 X1091 Y342 Z-2 F3500								
40.0	N861 X545 Y172 Z-7 F6991								

REASON CLREC IN-CRD OT-CRD

CONTROL TAPE

X

Y

Z

A

B

PT-LIN

276 000534

0

40.0 N862 X547 Y161 Z-8 F7017
 40.0 N863 X548 Y144 Z-7 F7063
 40.0 N864 X548 Y121 Z-7 F7119
 40.0 N865 X551 Y88 Z-4 F7171
 40.0 N866 X534 Y57 Z-1 F7444
 40.0 N867 X542 Y33 Z2 F7379
 40.0 N868 X547 Y14 Z2 F7301

 40.0 N869 X554 Y-1 Z1 F7225
 40.0 N870 X1120 Y-26 Z-4 F3571
 40.0 N871 X1126 Y-31 Z-22 F3550
 40.0 N872 X562 Y-7 Z-20 F7114
 40.0 N873 X560 Y5 Z-27 F7132
 40.0 N874 X553 Y20 Z-36 F7208
 40.0 N875 X555 Y32 Z-43 F7180
 40.0 N876 X1114 Y84 Z-103 F3566
 40.0 N877 X1118 Y72 Z-119 F3548
 40.0 N878 X560 Y18 Z-62 F7098
 40.0 N879 X559 Y-1 Z-61 F7111
 40.0 N880 X558 Y-24 Z-60 F7122
 40.0 N881 X557 Y-54 Z-57 F7118
 40.0 N882 X575 Y-93 Z-56 F6829
 40.0 N883 X567 Y-131 Z-51 F6849
 40.0 N884 X559 Y-158 Z-49 F6863
 40.0 N885 X1095 Y-365 Z-94 F3455
 40.0 N886 X1066 Y-368 Z-101 F3533
 40.0 N887 X522 Y-162 Z-57 F7270
 40.0 N888 X516 Y-136 Z-63 F7451
 40.0 N889 X507 Y-101 Z-72 F7651
 40.0 N890 X527 Y-47 Z-88 F7457
 40.0 N891 X545 Y8 Z-107 F7202
 40.0 N892 X556 Y47 Z-120 F7016
 40.0 N893 X1120 Y147 Z-261 F3451
 40.0 N894 X556 Y65 Z-131 F6949
 40.0 N895 X551 Y36 Z-125 F7067
 40.0 N896 X542 Y-11 Z-116 F7210
 40.0 N897 X532 Y-75 Z-103 F7311
 40.0 N898 X521 Y-155 Z-87 F7266
 40.0 N899 X480 Y-230 Z-66 F7457
 40.0 N900 X451 Y-287 Z-52 F7447
 40.0 N901 X120 Y-336 Z-39 F7420
 40.0 N902 X388 Y-377 Z-26 F7389
 40.0 N903 X358 Y-408 Z-15 F7360
 40.0 N904 X332 Y-434 Z-8 F7331
 40.0 N905 X312 Y-452 Z-4 F7279
 40.0 N906 X314 Y-465 Z-11 F7130
 40.0 N907 X365 Y-478 Z-41 F6633
 40.0 N908 X601 Y-508 Z-169 F4968

 40.0 N909 Z1000 F4000

15.6451 9.8154 -11.8570 -0.000 180.000 PT-LIN 276 000534 0
 0.0000

18.0825 9.2767 -12.1295 -0.000 180.000 PT-LIN 277 000534 0
 0.0000

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N910 X-260 Y-662 Z252 F5299	18.0825 0.0000	9.2767	-12.0295	-0.000	180.000	PT-LIN 279	000534	0
12.0	N911 Z-1000 F1200	18.0565 0.0000	9.2105	-12.0043	-0.000	180.000	PT-LIN 280	000534	0
40.0	N912 X-525 Y523 Z121 F5324	18.0565 0.0000	9.2105	-12.1043	-0.000	180.000	PT-LIN 282	000534	0
40.0	N913 X-325 Y491 Z21 F6787								
40.0	N914 X-298 Y473 Z5 F7154								
40.0	N915 X-310 Y454 Z5 F7280								
40.0	N916 X-335 Y428 Z12 F7351								
40.0	N917 X-362 Y400 Z20 F7419								
40.0	N918 X-387 Y365 Z29 F7502								
40.0	N919 X-412 Y325 Z40 F7599								
40.0	N920 X-434 Y282 Z49 F7701								
40.0	N921 X-454 Y232 Z60 F7785								
40.0	N922 X-488 Y162 Z78 F7696								
40.0	N923 X-511 Y82 Z96 F7597								
40.0	N924 X-530 Y17 Z111 F7390								
40.0	N925 X-543 Y-31 Z120 F7176								
40.0	N926 X-553 Y-62 Z127 F7009								
40.0	N927 X-1120 Y-144 Z255 F3456								
40.0	N928 X-558 Y-48 Z119 F6980								
40.0	N929 X-551 Y-9 Z107 F7124								
40.0	N930 X-538 Y47 Z90 F7314								
40.0	N931 X-517 Y104 Z72 F7517								
40.0	N932 X-520 Y146 Z63 F7353								
40.0	N933 X-524 Y176 Z55 F7205								
40.0	N934 X-1058 Y404 Z93 F3520								
40.0	N935 X-1080 Y403 Z65 F3459								
40.0	N936 X-552 Y176 Z44 F6884								
40.0	N937 X-562 Y143 Z49 F6875								
40.0	N938 X-572 Y100 Z54 F6659								
40.0	N939 X-548 Y58 Z56 F7218								
40.0	N940 X-552 Y29 Z59 F7193								
40.0	N941 X-556 Y6 Z61 F7153								
40.0	N942 X-559 Y-13 Z61 F7113								
40.0	N943 X-1123 Y-64 Z119 F3536								
40.0	N944 X-1125 Y-84 Z105 F3531								
40.0	N945 X-562 Y-37 Z44 F7074								
40.0	N946 X-564 Y-27 Z37 F7077								
40.0	N947 X-569 Y-13 Z29 F7011								
40.0	N948 X-570 Y-2 Z20 F7020								
40.0	N949 X-1134 Y15 Z20 F3525								
40.0	N950 X-1119 Y11 Z1 F3575								
40.0	N951 X-550 Y-7 Z-2 F7274								
40.0	N952 X-542 Y-22 Z-3 F7377								
40.0	N953 X-532 Y-42 Z-2 F7485								
40.0	N954 X-524 Y-67 Z2 F7503								
40.0	N955 X-541 Y-97 Z5 F7273								
15.6415 0.0000		15.6415 0.0000	9.7616	-11.8453	-0.000	180.000	PT-LIN 284	000534	0

FEEDEATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N956 X-541 Y-127 Z7 F7197								
40.0	N957 X-542 -149 Z8 F7119								
40.0	N958 X-1086 Y-339 Z14 F3516								
40.0	N959 X-1091 Y-345 Z2 F3497								
40.0	N960 X-546 Y-150 Z-7 F7030								
40.0	N961 X-547 Y-130 Z-15 F7084								
40.0	N962 X-547 Y-114 Z-23 F7149								
40.0	N963 X-593 Y-85 Z-38 F6599								
40.0	N964 X-606 Y-62 Z-50 F6548								
40.0	N965 X-608 Y-43 Z-59 F6534								
40.0	N966 X-602 Y-31 Z-64 F6596								
40.0	N967 X-1151 Y-54 Z-132 F3451								
39.8	N968 X-527 Y-35 Z-61 F7519								
35.1	N969 X-480 Y-50 Z-54 F8182								
28.4	N970 X-421 Y-71 Z-43 F8182								
27.1	N971 X-349 Y-98 Z-29 F7826								
30.0	N972 X-316 Y-138 Z-17 F7826								
32.0	N973 X-319 Y-181 Z-10 F8182								
33.8	N974 X-327 Y-215 Z-7 F8182								
33.3	N975 X-338 Y-236 Z-6 F8182								
40.0	N976 X-346 Y-249 Z-9 F7826								
30.2	N977 X-680 Y-494 Z-28 F4758								
27.2	N978 X-313 Y-225 Z-18 F7826								
23.8	N979 X-285 Y-198 Z-21 F7826								
24.3	N980 X-258 Y-160 Z-24 F7826								
24.3	N981 X-278 Y-134 Z-37 F7826								
25.4	N982 X-283 Y-121 Z-42 F7826								
25.4	N983 X-286 Y-110 Z-47 F8182								
25.4	N984 X-290 Y-97 Z-52 F8182								
25.5	N985 X-293 Y-87 Z-58 F8182								
25.6	N986 X-296 Y-75 Z-62 F8182								
25.7	N987 X-299 Y-64 Z-68 F8182								
25.8	N988 X-301 Y-54 Z-72 F8182								
40.0	N989 X-303 Y-43 Z-78 F8182								
40.0	N990 X-305 Y-32 Z-82 F12616								
40.0	N991 Z1000 F4000	13.7917 0.0000	9.2575 -11.9733	-0.000	180.000	PT-LIN	285 000534	0	
40.0	N992 X-35 Y-710 Z129 F5538	13.7917 0.0000	9.2575 -11.8733	-0.000	180.000	PT-LIN	287 000534	0	
12.0	N993 Z-1000 F1200	13.7882 0.0000	9.1865 -11.8604	-0.000	180.000	PT-LIN	288 000534	0	
31.1	N994 X314 Y37 Z85 F9474	13.7882 0.0000	9.1865 -11.9604	-0.000	180.000	PT-LIN	290 000534	0	
30.9	N995 X313 Y48 Z81 F9474								
30.8	N996 X311 Y59 Z75 F9474								
30.7	N997 X308 Y70 Z71 F9474								
30.6	N998 X307 Y80 Z65 F9474								
29.0	N999 X303 Y91 Z60 F9000								
29.0	N000 X301 Y101 Z54 F9000								
29.0	N001 X297 Y113 Z50 F9000								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLECN	IN-CRD	DT-CRD
29.0	N002 X295 Y124 Z44 F9000									
29.2	N003 X292 Y135 Z39 F9000									
32.6	N004 X321 Y165 Z35 F9000									
34.6	N005 X326 Y202 Z25 F9000									
36.3	N006 X330 Y231 Z16 F9000									
40.0	N007 X657 Y506 Z11 F4826									
36.5	N008 X316 Y254 Z-2 F9000									
34.9	N009 X305 Y241 Z-3 F9000									
34.6	N010 X293 Y217 Z-1 F9474									
30.6	N011 X287 Y183 Z5 F9000									
30.2	N012 X287 Y137 Z12 F9474									
33.4	N013 X338 Y97 Z28 F9474									
40.0	N014 X416 Y70 Z42 F9441									
40.0	N015 X477 Y50 Z54 F8288									
40.0	N016 X525 Y36 Z62 F7544									
40.0	N017 -1150 Y55 Z132 F3452									
40.0	N018 X603 Y33 Z65 F6582									
40.0	N019 X610 Y45 Z59 F6509									
40.0	N020 X610 Y63 Z51 F6509									
40.0	N021 X603 Y87 Z39 F6543									
40.0	N022 X551 Y116 Z24 F7097									
40.0	N023 X550 Y141 Z15 F7044									
40.0	N024 X549 Y160 Z7 F7003									
40.0	N025 X1091 Y348 Z-2 F3492									
40.0	N026 X1081 Y344 Z-13 F3525									
40.0	N027 X537 Y152 Z-8 F7165									
40.0	N028 X535 Y131 Z-7 F7267									
40.0	N029 X532 Y103 Z-4 F7372									
40.0	N030 X515 Y73 Z-1 F7701									
40.0	N031 X525 Y47 Z2 F7579									
40.0	N032 X537 Y26 Z4 F7448									
40.0	N033 X546 Y12 Z5 F7322									
40.0	N034 X1117 Y-3 Z2 F3581									
40.0	N035 X1142 Y-7 Z-16 F3504									
40.0	N036 X576 Y6 Z-19 F6931									
40.0	N037 X580 Y17 Z-28 F6889									
40.0	N038 X576 Y31 Z-37 F6925									
40.0	N039 X572 Y41 Z-45 F6950									
40.0	N040 X1137 Y91 Z-108 F3492									
40.0	N041 X1125 Y71 Z-123 F3528									
40.0	N042 X556 Y16 Z-63 F7137									
40.0	N043 X552 Y-4 Z-62 F7202									
40.0	N044 X547 Y-29 Z-59 F7266									
40.0	N045 X541 Y-59 Z-56 F7316									
40.0	N046 X572 Y-103 Z-54 F6842									
40.0	N047 X562 Y-149 Z-49 F6858									
40.0	N048 X551 Y-182 Z-44 F6869									
40.0	N049 X1077 Y-421 Z-84 F3453									
40.0	N050 X1053 Y-420 Z-93 F3516									

15.6926 9.7048 -11.8328 -0.000 180.000 PT-LIN 292 000534 0
0.0000

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N051 X522 Y-183 Z-55 F7203								
40.0	N052 X519 Y-149 Z-62 F7355								
40.0	N053 X516 Y-106 Z-72 F7524								
40.0	N054 X539 Y-46 Z-91 F7287								
40.0	N055 X552 Y12 Z-106 F7121								
40.0	N056 X557 Y51 Z-118 F6989								
40.0	N057 X1117 Y151 Z-252 F3465								
40.0	N058 X551 Y63 Z-125 F7033								
40.0	N059 X541 Y32 Z-126 F7203								
40.0	N060 X529 Y-17 Z-109 F7422								
40.0	N061 X508 Y-84 Z-95 F7630								
40.0	N062 X484 Y-167 Z-77 F7725								
40.0	N063 X446 Y-238 Z-58 F7867								
40.0	N064 X426 Y-286 Z-47 F7763								
40.0	N065 X405 Y-328 Z-38 F7650								
40.0	N066 X382 Y-367 Z-28 F7542								
40.0	N067 X357 Y-402 Z-20 F7444								
40.0	N068 X332 Y-431 Z-11 F7351								
40.0	N069 X311 Y-456 Z-7 F7238								
40.0	N070 X309 Y-478 Z-10 F7026								
40.0	N071 X369 Y-500 Z-39 F6425								
40.0	N072 X755 Y-551 Z-231 F4157	18.0788	9.1464	-12.1037	-0.000	180.000	PT-LIN 293	000534	0
		0.0000							
40.0	N073 Z1000 F4000	18.0788	9.1464	-12.0037	-0.000	180.000	PT-LIN 295	000534	0
		0.0000							
40.0	N074 X-1080 Y480 Z359 F3240	17.9708	9.1944	-11.9678	-0.000	180.000	PT-LIN 299	000538	0
		0.0000							
12.0	N075 Z-1000 F1200	17.9708	9.1944	-12.0678	-0.000	180.000	PT-LIN 301	000538	0
		0.0000							
40.0	N076 X-339 Y482 Z23 F6781								
40.0	N077 X-316 Y463 Z10 F7129								
40.0	N078 X-328 Y441 Z11 F7277								
40.0	N079 X-352 Y413 Z17 F7370								
40.0	N080 X-379 Y379 Z27 F7451								
40.0	N081 X-406 Y340 Z37 F7537								
40.0	N082 X-431 Y295 Z48 F7628								
40.0	N083 X-454 Y243 Z60 F7719								
40.0	N084 X-493 Y164 Z80 F7526								
40.0	N085 X-516 Y83 Z98 F7515								
40.0	N086 X-532 Y13 Z110 F7364								
40.0	N087 X-543 Y-37 Z120 F7180								
40.0	N088 X-550 Y-69 Z126 F7031								
40.0	N089 X-1112 Y-161 Z250 F3475								
40.0	N090 X-555 Y-56 Z117 F7027								
40.0	N091 X-547 Y-15 Z106 F7169								
40.0	N092 X-536 Y45 Z89 F7341								
40.0	N093 X-511 Y105 Z72 F7598								
40.0	N094 X-515 Y150 Z62 F7401								
40.0	N095 X-520 Y182 Z56 F7225								
40.0	N096 X-524 Y204 Z50 F7083								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N097 X-1065 Y431 Z90 F3471								
40.0	N098 X-544 Y204 Z45 F6866								
40.0	N099 X-553 Y182 Z40 F6849								
40.0	N100 X-564 Y148 Z51 F6842								
40.0	N101 X-574 Y102 Z35 F6830								
40.0	N102 X-535 Y56 Z50 F7387								
40.0	N103 X-543 Y23 Z61 F7324								
40.0	N104 X-548 Y-5 Z64 F7246								
40.0	N105 X-554 Y-26 Z66 F7166								
40.0	N106 X-1123 Y-93 Z127 F3527								
40.0	N107 X-1144 Y-108 Z112 F3465								
40.0	N108 X-580 Y-44 Z46 F6854								
40.0	N109 X-586 Y-31 Z36 F6804								
40.0	N110 X-590 Y-15 Z26 F6768								
40.0	N111 X-584 Y-4 Z17 F6845								
40.0	N112 X-1148 Y8 Z12 F3486								
40.0	N113 X-1114 Y2 Z-8 F3590								
40.0	N114 X-542 Y-12 Z-6 F7373								
40.0	N115 X-531 Y-27 Z-6 F7518								
40.0	N116 X-520 Y-47 Z-4 F7668								
40.0	N117 X-507 Y-72 F7806								
40.0	N118 X-528 Y-103 Z3 F7461								
40.0	N119 X-530 Y-133 Z6 F7324								
40.0	N120 X-534 Y-154 Z7 F7199								
40.0	N121 X-1079 Y-347 Z14 F3530								
40.0	N122 X-1092 Y-353 Z1 F3488								
40.0	N123 X-550 Y-161 Z-7 F6978								
40.0	N124 X-552 Y-142 Z-15 F7012								
40.0	N125 X-554 Y-116 Z-24 F7059								
40.0	N126 X-605 Y-87 Z-40 F6526								
40.0	N127 X-611 Y-59 Z-52 F6499								
40.0	N128 X-610 Y-40 Z-61 F6505								
40.0	N129 X-1192 Y-49 Z-134 F3334								
40.0	N130 X-1087 Y-52 Z-129 F3648								
39.5	N131 X-478 Y-45 Z-55 F8182								
34.7	N132 X-417 Y-67 Z-42 F8182								
27.8	N133 X-340 Y-94 Z-28 F7826								
30.2	N134 X-285 Y-143 Z-12 F9474								
28.9	N135 X-274 Y-196 F4571								
29.2	N136 X-266 Y-238 Z3 F8182								
30.7	N137 X-263 Y-267 Z13 F8182								
31.9	N138 X-268 Y-283 Z15 F8182								
40.0	N139 X-578 Y-564 Z16 F4952								
32.3	N140 X-323 Y-255 Z-7 F7826								
32.4	N141 X-351 Y-220 Z-23 F7826								
32.5	N142 X-376 Y-173 Z-43 F7826								
28.9	N143 X-313 Y-136 Z-42 F7826								
28.7	N144 X-314 Y-120 Z-47 F7826								
28.6	N145 X-315 Y-115 Z-53 F7826								
15.5822		9.6403	-11.8219	-0.000	180.000	PT-LIN	303	000538	0
0.0000									

FEEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECIN	IN-CRD	OT-CRD
27.7	N146 X-317 Y-105 Z-58 F8182								
27.7	N147 X-318 Y-94 Z-63 F8182								
27.6	N148 X-320 Y-83 Z-69 F8182								
27.7	N149 X-322 Y-72 Z-74 F8182								
27.7	N150 X-324 Y-61 Z-80 F8182								
27.8	N151 X-325 Y-49 Z-85 F8182								
40.0	N152 X-326 Y-38 Z-91 F11745	13.7860	9.1064	-11.9474	-0.000	180.000	PT-LIN 304	000538	0
		0.0000							
40.0	N153 Z1000 F4000	13.7860	9.1064	-11.8474	-0.000	180.000	PT-LIN 308	000538	0
		0.0000							
40.0	N154 X6 Y-900 Z122 F4402	13.7866	9.0164	-11.8352	-0.000	180.000	PT-LIN 307	000538	0
		0.0000							
12.0	N155 Z-1000 F1200	13.7866	9.0164	-11.9352	-0.000	180.000	PT-LIN 309	000538	0
		0.0000							
33.7	N156 X341 Y32 Z90 F9474								
33.7	N157 X341 Y46 Z31 F9474								
33.7	N158 X341 Y59 Z84 F9474								
33.8	N159 X340 Y72 Z79 F9474								
33.9	N160 X340 Y83 Z73 F9474								
32.3	N161 X339 Y96 Z68 F9000								
32.4	N162 X339 Y106 Z62 F9000								
32.7	N163 X339 Y117 Z56 F9000								
33.0	N164 X340 Y127 Z51 F9000								
33.4	N165 X342 Y136 Z45 F9000								
40.0	N166 X409 Y183 Z42 F8878								
38.7	N167 X348 Y252 Z17 F9000								
35.6	N168 X283 Y303 Z-3 F8571								
40.0	N169 X427 Y892 Z-46 F4914								
34.5	N170 X191 Y353 Z-31 F8571								
33.8	N171 X210 Y332 Z-28 F8571								
34.6	N172 X246 Y294 Z-19 F9000								
33.7	N173 X290 Y237 Z-4 F9000								
34.8	N174 X332 Y158 Z16 F9474								
35.5	N175 X362 Y92 Z31 F9474								
40.0	N176 X429 Y55 Z4 F9162								
40.0	N177 X485 Y29 Z58 F8163								
40.0	N178 X1001 Y10 Z136 F3637								
40.0	N179 X1190 Y7 Z139 F3340								
40.0	N180 X609 Y24 Z63 F6529								
40.0	N181 X608 Y47 Z53 F6529								
40.0	N182 X603 Y80 Z41 F6562								
40.0	N183 X556 Y115 Z25 F7036								
40.0	N184 X554 Y142 Z15 F6990								
40.0	N185 X552 Y163 Z8 F6957								
40.0	N186 X1093 Y355 Z-2 F3478								
40.0	N187 X1079 Y348 Z-13 F3529								
40.0	N188 X533 Y152 Z-7 F7217								
40.0	N189 X528 Y128 Z-5 F7363								
40.0	N190 X523 Y95 Z-1 F7531								
40.0	N191 X502 Y64 Z2 F7901								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N192 X515 Y40 Z6 F7748								
40.0	N193 X526 Y21 Z8 F7588								
40.0	N194 X539 Y6 Z9 F7429								
40.0	N195 X1110 Y-15 Z11 F3603	15.7991	9.5800	-11.8079	-0.000	180.000	PT-LIN 311	000538	0
		0.0000							
40.0	N196 X1151 Y-24 Z-6 F3472								
40.0	N197 X591 Y-4 Z-14 F6768								
40.0	N198 X601 Y6 Z-24 F6056								
40.0	N199 X591 Y27 Z-35 F6747								
40.0	N200 X583 Y49 Z-46 F6815								
40.0	N201 X1142 Y135 Z-115 F3460								
40.0	N202 X1116 Y133 Z-132 F3537								
40.0	N203 X549 Y46 Z-68 F7195								
40.0	N204 X546 Y23 Z-67 F7276								
40.0	N205 X540 Y-9 Z-63 F7350								
40.0	N206 X535 Y-48 Z-57 F7409								
40.0	N207 X570 Y-96 Z-57 F6879								
40.0	N208 X564 Y-139 Z-53 F6865								
40.0	N209 X556 Y-170 Z-50 F6850								
40.0	N210 X549 Y-193 Z-49 F6853								
40.0	N211 X1077 Y-407 Z-99 F3463								
40.0	N212 X527 Y-194 Z-53 F7083								
40.0	N213 X521 Y-175 Z-58 F7249								
40.0	N214 X512 Y-144 Z-63 F7456								
40.0	N215 X505 Y-104 Z-71 F7688								
40.0	N216 X526 Y-43 Z-88 F7480								
40.0	N217 X540 Y17 Z-104 F7267								
40.0	N218 X549 Y60 Z-115 F7089								
40.0	N219 X1107 Y174 Z-250 F3483								
40.0	N220 X552 Y78 Z-127 F7004								
40.0	N221 X547 Y47 Z-122 F7112								
40.0	N222 X541 Y-3 Z-114 F7234								
40.0	N223 X534 Y-73 Z-103 F7291								
40.0	N224 X527 Y-160 Z-89 F7171								
40.0	N225 X481 Y-247 Z-67 F7334								
40.0	N226 X449 Y-313 Z-51 F7279								
40.0	N227 X413 Y-367 Z-36 F7229								
40.0	N228 X377 Y-409 Z-23 F7187								
40.0	N229 X344 Y-441 Z-13 F7150								
40.0	N230 X321 Y-463 Z-8 F7096								
40.0	N231 X318 Y-478 Z-12 F6963								
40.0	N232 X368 Y-488 Z-36 F6524								
40.0	N233 Z1000 F4000	17.9811	9.1403	-12.0617	-0.000	180.000	PT-LIN 312	000538	0
		0.0000							
40.0	N234 X242 Y-518 Z3 F7001	17.9811	9.1403	-11.9617	-0.000	180.000	PT-LIN 314	000538	0
		0.0000							
12.0	N235 Z-1000 F1200	18.0053	9.0885	-11.9614	-0.000	180.000	PT-LIN 315	000538	0
		0.0000							
		18.0053	9.0885	-12.0614	-0.000	180.000	PT-LIN 317	000538	0
		0.0000							

40.0 N236 X-404 Y510 Z56 F6127

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N237 X-353 Y493 Z26 F6584									
40.0	N238 X-356 Y473 Z22 F6748									
40.0	N239 X-379 Y447 Z26 F6831									
40.0	N240 X-408 Y410 Z35 F6895									
40.0	N241 X-440 Y367 Z47 F6958									
40.0	N242 X-472 Y314 Z58 F7022									
40.0	N243 X-500 Y253 Z72 F7080									
40.0	N244 X-531 Y170 Z88 F7083									
40.0	N245 X-540 Y83 Z102 F7205									
40.0	N246 X-547 Y13 Z113 F7158									
40.0	N247 X-552 Y-39 Z120 F7353									
40.0	N248 X-556 Y-73 Z125 F6969									
40.0	N249 X-1106 Y-173 Z248 F3488									
40.0	N250 X-543 Y-64 Z115 F7156									
40.0	N251 X-532 Y-24 Z103 F7382									
40.0	N252 X-514 Y35 Z87 F7645									
40.0	N253 X-497 Y86 Z71 F7825									
40.0	N254 X-507 Y144 Z63 F7545									
40.0	N255 X-515 Y178 Z56 F7301									
40.0	N256 X-524 Y201 Z52 F7104									
40.0	N257 X-1075 Y418 Z97 F3453									
40.0	N258 X-554 Y193 Z49 F6798									
40.0	N259 X-584 Y166 Z53 F6772									
40.0	N260 X-575 Y127 Z56 F6767									
40.0	N261 X-583 Y77 Z62 F6769									
40.0	N262 X-547 Y22 Z63 F7247									
40.0	N263 X-549 Y-16 Z67 F7239									
40.0	N264 X-548 Y-48 Z70 F7208									
40.0	N265 X-550 Y-71 Z69 F7163									
40.0	N266 X-1108 Y-174 Z134 F3541									
40.0	N267 X-1130 Y-168 Z114 F3483									
40.0	N268 X-577 Y-62 Z46 F6878									
40.0	N269 X-584 Y-37 Z36 F6818									
40.0	N270 X-800 Y-12 Z24 F6859									
40.0	N271 X-590 Y4 Z15 F6778									
40.0	N272 X-1148 Y36 Z4 F3482									
40.0	N273 X-1106 Y39 Z-14 F3616									
40.0	N274 X-536 Y7 Z-10 F7449									
40.0	N275 X-527 Y-8 Z-10 F7598									
40.0	N276 X-515 Y-28 Z-7 F7747									
40.0	N277 X-504 Y-53 Z-4 F7888									
40.0	N278 X-526 Y-89 F7505									
40.0	N279 X-530 Y-126 Z5 F7340									
40.0	N280 X-535 Y-152 Z7 F7197									
40.0	N281 X-1079 Y-353 Z13 F3523									
40.0	N282 X-1092 Y-358 Z2 F3480									
40.0	N283 X-551 Y-159 Z-8 F6979									
40.0	N284 X-553 Y-133 Z-17 F7028									
40.0	N285 X-554 Y-100 Z-26 F7098									

15.5826 9.5192 -11.8004 -0.000 180.000 PT-LIN 319 000538 0
0.0000

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N286 X-589 Y-53 Z-43 F6740								
40.0	N287 X-597 Y-8 Z-57 F6672								
40.0	N288 X-598 Y25 Z-68 F6636								
40.0	N289 X-534 Y45 Z-75 F6666								
40.0	N290 X-1149 Y100 Z-156 F3438								
40.0	N291 X-542 Y23 Z-73 F7297								
40.0	N292 X-514 Y-17 Z-34 F7731								
37.9	N293 X-475 Y-73 Z-49 F7826								
35.4	N294 X-430 Y-139 Z-32 F7826								
40.0	N295 X-419 Y-219 Z-19 F8455								
37.4	N296 X-351 Y-293 Z1 F8182								
36.5	N297 X-280 Y-347 Z18 F8182								
35.5	N298 X-221 Y-379 Z30 F8182								
35.5	N299 X-185 Y-301 Z33 F8182								
40.0	N300 X-373 Y-741 Z49 F4814								
30.9	N301 X-234 Y-319 Z5 F7826								
30.3	N302 X-281 Y-266 Z-11 F7826								
30.0	N303 X-324 Y-201 Z-31 F7826								
28.6	N304 X-327 Y-158 Z-41 F7826								
28.3	N305 X-328 Y-146 Z-47 F7826								
28.1	N306 X-330 Y-132 Z-54 F7826								
28.0	N307 X-333 Y-117 Z-60 F7826								
29.1	N308 X-334 Y-102 Z-66 F8182								
29.0	N309 X-337 Y-85 Z-73 F8182								
28.9	N310 X-338 Y-67 Z-78 F8182								
28.8	N311 X-338 Y-50 Z-85 F8182								
28.7	N312 X-338 Y-32 Z-90 F8182								
40.0	N313 X-337 Y-14 Z-95 F11414								
40.0	N314 Z1000 F4000	13.7891	8.9485	-11.9270	-0.000	180.000	PT-LIN 320	000538	0
		0.0000							
40.0	N315 X62 Y-890 Z115 F4446	13.7891	8.9485	-11.8270	-0.009	180.000	PT-LIN 322	000538	0
		0.0000							
12.0	N316 Z-1000 F1200	13.7953	8.8595	-11.8155	-0.000	180.000	PT-LIN 323	000538	0
		0.0000							
32.1	N317 X326 Y-1 Z31 F9474	13.7953	8.8595	-11.9155	-0.000	180.000	PT-LIN 325	000538	0
32.2	N318 X327 Y22 Z87 F9474								
32.3	N319 X329 Y44 Z81 F9474								
32.4	N320 X327 Y65 Z75 F9474								
30.9	N321 X326 Y85 Z70 F9000								
40.0	N322 X322 Y106 Z64 F11595								
31.2	N323 X318 Y125 Z57 F9000								
31.3	N324 X313 Y142 Z51 F9000								
31.5	N325 X309 Y160 Z45 F9000								
31.8	N326 X304 Y175 Z38 F9000								
31.0	N327 X239 Y223 Z18 F9474								
30.9	N328 X206 Y295 Z1 F8571								
33.9	N329 X175 Y355 Z-13 F8571								
40.0	N330 X310 Y830 Z-60 F4503								
	N331 X189 Y442 Z-33 F8308								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-ORD	OT-CRD
40.0	N332 X251 Y432 Z-25 F7994								
40.0	N333 X336 Y399 Z-H F7672								
40.0	N334 X425 Y344 Z12 F7308								
40.0	N335 X508 Y271 Z31 F6938								
40.0	N336 X517 Y182 Z38 F7274								
40.0	N337 X540 Y94 Z54 F7272								
40.0	N338 X554 Y12 Z68 F7164								
40.0	N339 X563 Y-52 Z78 F7011								
40.0	N340 X1143 Y-191 Z165 F3415								
40.0	N341 X579 Y-93 Z77 F6766								
40.0	N342 X580 Y-67 Z89 F6803								
40.0	N343 X577 Y-26 Z57 F6887								
40.0	N344 X570 Y32 Z42 F6999								
40.0	N345 X549 Y87 Z27 F7181								
40.0	N346 X549 Y126 Z16 F7093								
40.0	N347 X548 Y155 Z8 F7026								
40.0	N348 X1088 Y358 Z-2 F3492								
40.0	N349 X1078 Y355 Z-14 F3524								
40.0	N350 X535 Y153 Z-6 F7187								
40.0	N351 X533 Y123 Z-5 F7321								
40.0	N352 X528 Y85 F7470								
40.0	N353 X509 Y45 Z4 F7835								
40.0	N354 X517 Y17 Z8 F7719								
40.0	N355 X527 Y-5 Z10 F7553								
40.0	N356 X1080 Y-50 Z19 F3698								
40.0	N357 X1118 Y-60 Z7 F3572								
40.0	N358 X574 Y-20 Z-6 F6968								
40.0	N359 X583 Y-5 Z-14 F6855								
40.0	N360 X593 Y18 Z-24 F6745								
40.0	N361 X574 Y45 Z-35 F6937								
40.0	N362 X567 Y72 Z-45 F6975								
40.0	N363 X1116 Y195 Z-110 F3514								
40.0	N364 X1100 Y209 Z-130 F3548								
40.0	N365 X549 Y89 Z-69 F7140								
40.0	N366 X550 Y66 Z-69 F7155								
40.0	N367 X554 Y35 Z-68 F7153								
40.0	N368 X558 Y-6 Z-64 F7123								
40.0	N369 X591 Y-62 Z-64 F6690								
40.0	N370 X583 Y-118 Z-58 F6701								
40.0	N371 X570 Y-161 Z-54 F6719								
40.0	N372 X558 Y-191 Z-51 F6759								
40.0	N373 X1079 Y-410 Z-98 F3445								
40.0	N374 X522 Y-201 Z-52 F7112								
40.0	N375 X513 Y-178 Z-56 F7330								
40.0	N376 X503 Y-141 Z-62 F7599								
40.0	N377 X493 Y-92 Z-71 F7906								
40.0	N378 X518 Y-26 Z-88 F7603								
40.0	N379 X532 Y33 Z-104 F7361								
40.0	N380 X543 Y72 Z-116 F7143								
15.7457		9.4449	-11.7860	-0.000	180.000	PT-LIN	327	000838	0
0.0000									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N381 X1105 Y190 Z-250 F3482								
40.0	N382 X556 Y79 Z-125 F6953								
40.0	N383 X554 Y42 Z-122 F7034								
40.0	N384 X549 Y-13 Z-113 F7134								
40.0	N385 X541 Y-86 Z-102 F7176								
40.0	N386 X532 Y-176 Z-87 F7051								
40.0	N387 X511 Y-258 Z-74 F6930								
40.0	N388 X486 Y-316 Z-63 F6851								
40.0	N389 X460 Y-366 Z-54 F6777								
40.0	N390 X433 Y-410 Z-46 F6687								
40.0	N391 X410 Y-446 Z-39 F6587								
40.0	N392 X395 Y-477 Z-39 F6449								
40.0	N393 X403 Y-502 Z-49 F6193								
40.0	N394 X480 Y-525 Z-96 F5571								
40.0	N395 Z1C00 F4000	18.0313 0.0000	9.0336	-12.0620	-0.000	180.000	PT-LIN 328	000538	0
40.0	N396 X218 Y-573 Z10 F6529	18.0313 0.0000	9.0336	-11.9620	-0.000	180.000	PT-LIN 330	000538	0
12.0	N397 Z-1000 F1200	18.0531 0.0000	8.9763	-11.9610	-0.000	180.000	PT-LIN 331	000538	0
40.0	N398 X-576 Y536 Z147 F5001	18.0531 0.0000	8.9763	-12.0610	-0.000	180.000	PT-LIN 333	000538	0
40.0	N399 X-454 Y504 Z74 F5856								
40.0	N400 X-427 Y477 Z52 F6231								
40.0	N401 X-432 Y445 Z49 F6434								
40.0	N402 X-448 Y408 Z51 F6574								
40.0	N403 X-470 Y366 Z58 F6691								
40.0	N404 X-491 Y317 Z65 F6793								
40.0	N405 X-514 Y262 Z74 F6876								
40.0	N406 X-530 Y178 Z87 F7068								
40.0	N407 X-540 Y82 Z103 F7204								
40.0	N408 X-546 Y4 Z114 F7165								
40.0	N409 X-551 Y-55 Z123 F7059								
40.0	N410 X-552 Y-93 Z127 F6964								
40.0	N411 X-1103 Y-219 Z253 F3472								
40.0	N412 X-546 Y-86 Z117 F7076								
40.0	N413 X-540 Y-42 Z106 F7246								
40.0	N414 X-531 Y21 Z91 F7423								
40.0	N415 X-495 Y88 Z71 F7675								
40.0	N416 X-505 Y138 Z63 F7579								
40.0	N417 X-515 Y176 Z57 F7315								
40.0	N418 X-525 Y198 Z53 F7099								
40.0	N419 X-1082 Y413 Z100 F3441								
40.0	N420 X-560 Y186 Z52 F6758								
40.0	N421 X-571 Y156 Z53 F6724								
40.0	N422 X-583 Y112 Z48 F6710								
40.0	N423 X-591 Y55 Z62 F6697								
40.0	N424 X-563 Y-4 Z64 F7065								
40.0	N425 X-557 Y-47 Z66 F7112								
40.0	N426 X-551 Y-80 Z67 F7129								

FEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N427 X-547 Y-104 Z-67 F7126								
40.0	N428 X-1094 Y-239 Z125 F3553								
40.0	N429 X-1103 Y-220 Z106 F3540								
40.0	N430 X-559 Y-82 Z43 F7063								
40.0	N431 X-564 Y-52 Z34 F7049								
40.0	N432 X-583 Y-18 Z24 F6849								
40.0	N433 X-576 Y7 Z14 F6947								
40.0	N434 X-567 Y27 Z6 F7045								
40.0	N435 X-1108 Y83 Z-7 F3599								
40.0	N436 X-1076 Y75 Z-19 F3708								
40.0	N437 X-527 Y17 Z-10 F7586								
40.0	N438 X-520 Y-7 Z-8 F7693								
40.0	N439 X-512 Y-39 Z-4 F7784								
40.0	N440 X-529 Y-82 Z1 F7473								
40.0	N441 X-532 Y-122 Z4 F7325								
40.0	N442 X-535 Y-152 Z7 F7195								
40.0	N443 X-1075 Y-356 Z14 F3531								
40.0	N444 X-1084 Y-356 Z3 F3506								
40.0	N445 X-545 Y-152 Z-8 F7068								
40.0	N446 X-546 Y-121 Z-16 F7145								
40.0	N447 X-547 Y-80 Z-25 F7240								
40.0	N448 X-549 Y-16 Z-40 F7262								
40.0	N449 X-557 Y48 Z-54 F7113								
40.0	N450 X-562 Y95 Z-66 F6978								
40.0	N451 X-1129 Y256 Z-153 F3425								
40.0	N452 X-571 Y114 Z-82 F6803								
40.0	N453 X-579 Y67 Z-78 F6797								
40.0	N454 X-588 Y-7 Z-70 F6762								
40.0	N455 X-589 Y-101 Z-59 F6557								
40.0	N456 X-582 Y-205 Z-49 F6453								
40.0	N457 X-582 Y-304 Z-45 F6076								
40.0	N458 X-498 Y-385 Z-29 F6352								
40.0	N459 X-400 Y-445 Z-10 F6676								
40.0	N460 X-302 Y-482 Z10 F7031								
40.0	N461 X-216 Y-494 Z28 F7411								
40.0	N462 X-280 Y-932 Z66 F4103								
34.1	N463 X-121 Y-398 Z24 F8182								
29.1	N464 X-135 Y-329 Z12 F8182								
22.7	N465 X-155 Y-214 Z-4 F7826								
26.3	N466 X-276 Y-190 Z-35 F7826								
26.2	N467 X-285 Y-171 Z-41 F7826								
26.1	N468 X-292 Y-152 Z-48 F7326								
26.0	N469 X-301 Y-130 Z-54 F7826								
27.1	N470 X-307 Y-109 Z-61 F8182								
27.0	N471 X-312 Y-86 Z-66 F8182								
26.9	N472 X-315 Y-83 Z-72 F8182								
26.8	N473 X-317 Y-36 Z-77 F8192								
27.9	N474 X-315 Y-14 Z-82 F8571								
40.0	N475 X-312 Y13 Z-86 F12335								
15.5878		9.3753	-11.7770	-0.000	180.000	PT-LIN	335	000538	0
0.0000									

ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND DOVER--ETC F/G 13/A
MANUFACTURE OF ARMY HELMET MOLDS BY NUMERICAL CONTROL. (U)

NOV 79 D O'CONNOR
ARTSD-TR-79003

NL

2) $\frac{1}{2}$

3 - 80

and

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N476 Z1000 F4000	13.8026 0.0000	8.7584	-11.9025	-0.000	180.000	PT-LIN 338	000538	0
40.0	N477 X60 Y-1046 Z130 F3792	13.8026 0.0000	8.7584	-11.8025	-0.000	180.000	PT-LIN 338	000538	0
12.0	N478 Z-1000 F1200	13.8086 0.0000	8.6538	-11.7895	-0.000	180.000	PT-LIN 339	000538	0
29.6	N479 X301 Y-17 Z81 F9474	13.8086 0.0000	8.6538	-11.8895	-0.000	180.000	PT-LIN 341	000538	0
28.8	N480 X305 Y10 Z77 F9474								
30.0	N481 X305 Y37 Z73 F9474								
30.1	N482 X304 Y63 Z69 F9474								
28.7	N483 X301 Y87 Z83 F9000								
28.8	N484 X294 Y112 Z53 F9000								
28.8	N485 X286 Y134 Z52 F9000								
28.8	N486 X276 Y156 Z46 F9000								
28.9	N487 X264 Y177 Z39 F9000								
30.5	N488 X253 Y196 Z32 F9474								
24.7	N489 X93 Y259 Z-9 F9000								
31.7	N490 X91 Y357 Z-20 F8571								
36.6	N491 X105 Y435 Z-27 F8182								
40.0	N492 X327 Y1017 Z-51 F3741								
40.0	N493 X265 Y536 Z-10 F6686								
40.0	N494 X352 Y522 Z6 F6351								
40.0	N495 X445 Y481 Z24 F6100								
40.0	N496 X535 Y412 Z40 F5916								
40.0	N497 X613 Y317 Z52 F5778								
40.0	N498 X597 Y200 Z54 F6332								
40.0	N499 X597 Y92 Z62 F6584								
40.0	N500 X591 Y-1 Z69 F6730								
40.0	N501 X579 Y-72 Z73 F6801								
40.0	N502 X568 Y-117 Z74 F6837								
40.0	N503 X1117 Y-267 Z140 F3460								
40.0	N504 X552 Y-103 Z60 F7078								
40.0	N505 X548 Y-56 Z50 F7233								
40.0	N506 X540 Y13 Z37 F7390								
40.0	N507 X548 Y78 Z24 F7218								
40.0	N508 X547 Y119 Z15 F7140								
40.0	N509 X545 Y151 Z8 F7073								
40.0	N510 X1082 Y355 Z-3 F3513								
40.0	N511 X1071 Y354 Z-14 F3545								
40.0	N512 X532 Y152 Z-7 F7235								
40.0	N513 X528 Y122 Z-5 F7375								
40.0	N514 X525 Y80 Z-2 F7530								
40.0	N515 X513 Y36 Z4 F7782								
40.0	N516 X520 Y1 Z7 F7699								
40.0	N517 X525 Y-25 Z9 F7595								
40.0	N518 X533 Y-43 Z10 F7486								
40.0	N519 X1086 Y-107 Z14 F3664	15.6559 0.0000	9.2898	-11.7635	-0.000	180.000	PT-LIN 343	000538	0

40.0 N520 X555 Y-48 Z1 F7185

FEEDRATE CONTROL TAPE X Y Z A B REASON CLRECN IN-CRD OT-CRD

N521 X562 Y-34 Z-5 F7098
 40.0 N522 X571 Y-12 Z-14 F7012
 40.0 N523 X577 Y18 Z-23 F6921
 40.0 N524 X559 Y56 Z-33 F7105
 40.0 N525 X555 Y89 Z-42 F7098
 40.0 N526 X551 Y112 Z-49 F7088
 40.0 N527 X1093 Y259 Z-113 F3544
 40.0 N528 X545 Y127 Z-93 F7108
 40.0 N529 X546 Y111 Z-63 F7132
 40.0 N530 X548 Y87 Z-65 F7154
 40.0 N531 X553 Y51 Z-63 F7160
 40.0 N532 X558 Y4 Z-60 F7132
 40.0 N533 X577 Y-54 Z-59 F6861
 40.0 N534 X571 Y-110 Z-54 F6848
 40.0 N535 X564 Y-151 Z-52 F6825
 40.0 N536 X556 Y-181 Z-51 F6820
 40.0 N537 X1086 Y-400 Z-102 F3443
 40.0 N538 X531 Y-193 Z-55 F7049
 40.0 N539 X523 Y-171 Z-59 F7224
 40.0 N540 X516 Y-135 Z-65 F7439
 40.0 N541 X509 Y-88 Z-73 F7671
 40.0 N542 X551 Y-18 Z-93 F7155
 40.0 N543 X553 Y53 Z-109 F7071
 40.0 N544 X551 Y101 Z-119 F6976
 40.0 N545 X1096 Y261 Z-255 F3463
 40.0 N546 X544 Y116 Z-128 F7008
 40.0 N547 X542 Y76 Z-123 F7132
 40.0 N548 X539 Y15 Z-115 F7256
 40.0 N549 X534 Y-70 Z-103 F7295
 40.0 N550 X525 Y-175 Z-87 F7142
 40.0 N551 X508 Y-264 Z-72 F6927
 40.0 N552 X489 Y-317 Z-64 F6826
 40.0 N553 X468 Y-365 Z-57 F6704
 40.0 N554 X451 Y-407 Z-52 F6566
 40.0 N555 X439 Y-443 Z-52 F6394
 40.0 N556 X443 Y-474 Z-58 F6138
 40.0 N557 X489 Y-502 Z-68 F5661
 40.0 N558 X655 Y-538 Z-189 F4608
 40.0 N559 Z1000 F4000
 40.0 N560 X-92 Y-587 Z153 F6520
 12.0 N561 Z-1000 F1200
 40.0 N562 X-681 Y529 Z191 F4529
 40.0 N563 X-493 Y496 Z86 F5678
 40.0 N564 X-439 Y409 Z54 F6199
 40.0 N565 X-431 Y440 Z47 F6479
 40.0 N566 X-440 Y404 Z47 F6673

18.0628 8.9176 -12.0547 -0.000 180.000 PT-LIN 344 000538 0
 0.0000
 18.0628 8.9176 -11.9547 -0.000 180.000 PT-LIN 346 000538 0
 0.0000
 18.0536 8.8589 -11.9394 -0.000 180.000 PT-LIN 347 000538 0
 0.0000
 18.0536 8.8589 -12.0394 -0.000 180.000 PT-LIN 349 000538 0
 0.0000

FEEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECIN	IN-CRD	OT-CRD
40.0	N567 X-456 Y363 Z53 F6837								
40.0	N568 X-47J V316 Z59 F6990								
40.0	N569 X-492 V261 Z69 F7129								
40.0	N570 X-516 V165 Z85 F7299								
40.0	N571 X-524 Y48 Z102 F7467								
40.0	N572 X-525 Y-42 Z114 F7416								
40.0	N573 X-527 Y-108 Z122 F7257								
40.0	N574 X-530 Y-148 Z127 F7083								
40.0	N575 X-1083 Y-318 Z253 F3456								
40.0	N576 X-559 Y-120 Z121 F6849								
40.0	N577 X-570 Y-64 Z110 F6845								
40.0	N578 X-579 Y17 Z97 F6816								
40.0	N579 X-538 Y90 Z77 F7257								
40.0	N580 X-540 Y132 Z63 F7144								
40.0	N581 X-541 Y164 Z61 F7030								
40.0	N582 X-543 Y184 Z57 F6944								
40.0	N583 X-1088 Y302 Z102 F3455								
40.0	N584 X-544 Y174 Z49 F6975								
40.0	N585 X-544 Y148 Z43 F7075								
40.0	N586 X-543 Y110 Z56 F7193								
40.0	N587 X-542 Y61 Z52 F7290								
40.0	N588 X-534 Y5 Z56 F7454								
40.0	N589 X-536 Y-43 Z59 F7391								
40.0	N590 X-540 Y-79 Z61 F7291								
40.0	N591 X-542 Y-107 Z62 F7189								
40.0	N592 X-546 Y-124 Z61 F7104								
40.0	N593 X-1102 Y-258 Z112 F3517								
40.0	N594 X-557 Y-112 Z49 F7017								
40.0	N595 X-560 Y-83 Z41 F7031								
40.0	N596 X-565 Y-54 Z33 F7042								
40.0	N597 X-578 Y-15 Z23 F6910								
40.0	N598 X-571 Y17 Z13 F7007								
40.0	N599 X-562 Y39 Z6 F7095								
40.0	N600 X-554 Y53 Z-1 F7183								
40.0	N601 X-1085 Y117 Z-13 F3667								
40.0	N602 X-530 Y46 Z-10 F7512								
40.0	N603 X-523 Y26 Z-8 F7644								
40.0	N604 X-514 Y-1 Z-C F7774								
40.0	N605 X-506 Y-39 Z-3 F7883								
40.0	N606 X-514 Y-83 Z2 F7685								
40.0	N607 X-520 Y-122 Z6 F7495								
40.0	N608 X-524 Y-152 Z7 F7321								
40.0	N609 X-530 Y-171 Z8 F7180								
40.0	N610 X-1620 Y-535 Z9 F2345								
40.0	N611 X-550 Y-153 Z-7 F7011								
40.0	N612 X-554 Y-123 Z-14 F7040								
40.0	N613 X-559 Y-84 Z-24 F7070								
40.0	N614 X-553 Y-21 Z-35 F7218								
40.0	N615 X-559 Y45 Z-47 F7109								
15.6963 9.2092 -11.7530 -0.000 180.000 PT-LIN 351 000538 0									
0.0000									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N616 X-562 Y91 Z-56 F6994								
40.0	N617 X-1123 Y237 Z-129 F3463								
40.0	N618 X-558 Y104 Z-67 F6994								
40.0	N619 X-555 Y66 Z-66 F7107								
40.0	N620 X-551 Y7 Z-63 F7213								
40.0	N621 X-546 Y-75 Z-56 F7220								
40.0	N622 X-540 Y-178 Z-48 F7021								
40.0	N623 X-564 Y-305 Z-44 F6224								
40.0	N624 X-500 Y-416 Z-31 F6139								
40.0	N625 X-433 Y-495 Z-21 F6075								
40.0	N626 X-372 Y-542 Z-10 F6089								
40.0	N627 X-314 Y-559 Z-4 F6232								
40.0	N628 X-472 Y-1006 Z11 F3433								
39.4	N629 X-161 Y-454 Z11 F8182								
34.8	N630 X-117 Y-369 Z13 F9000								
21.2	N631 X-83 Y-257 Z10 F7826								
25.0	N632 X-256 Y-189 Z-35 F7826								
24.8	N633 X-263 Y-172 Z-41 F7826								
24.7	N634 X-272 Y-153 Z-46 F7826								
24.6	N635 X-280 Y-134 Z-51 F7826								
25.7	N636 X-288 Y-112 Z-57 F8182								
25.7	N637 X-294 Y-91 Z-61 F8182								
25.6	N638 X-298 Y-67 Z-67 F8182								
25.4	N639 X-299 Y-43 Z-70 F8182								
27.8	N640 X-299 Y-17 Z-75 F9000								
39.5	N641 X-297 Y10 Z-78 F12857								
40.0	N642 Z1000 F4000	13.8110	8.5546	-11.8783	-0.000	180.000	PT-LIN	352	000538
		0.0000							0
40.0	N643 X-2 Y-1025 Z108 F3881	13.8110	8.5546	-11.7783	-0.000	180.000	PT-LIN	354	000538
		0.0000							0
19.0	N644 Z-1000 F1200	13.8108	8.4521	-11.7675	-0.000	180.000	PT-LIN	355	000538
		0.0000							0
29.1	N645 X297 Y-10 Z78 F9474	13.8108	8.4521	-11.8675	-0.000	180.000	PT-LIN	357	000538
29.3	N646 X300 Y15 Z75 F9474								
29.5	N647 X300 Y40 Z71 F9474								
29.7	N648 X299 Y64 Z67 F9474								
28.3	N649 X296 Y86 Z63 F9000								
28.4	N650 X290 Y109 Z57 F9000								
28.5	N651 X284 Y129 Z53 F9000								
28.6	N652 X276 Y150 Z47 F9000								
28.8	N653 X268 Y169 Z41 F9000								
30.7	N654 X262 Y187 Z37 F9474								
25.1	N655 X93 Y282 Z-8 F9000								
38.8	N656 X142 Y384 Z-8 F9000								
40.0	N657 X201 Y476 Z-4 F7734								
40.0	N658 X572 Y1113 Z6 F3197								
40.0	N659 X353 Y577 Z8 F5915								
40.0	N660 X387 Y551 Z10 F5937								
40.0	N661 X420 Y496 Z15 F6153								

FEEEDRATE CONTROL TAPE X Y Z A B REASON CLREC IN-CRD OT-CRD

40.0 N662 X455 Y412 Z22 F6517
40.0 N663 X495 Y297 Z33 F6913
40.0 N664 X482 Y170 Z40 F7797
40.0 N665 X503 Y84 Z51 F7847
40.0 N666 X521 Y-19 Z53 F7629
40.0 N667 X536 Y-80 Z64 F7335
40.0 N668 X548 Y-118 Z67 F7082
40.0 N669 X1125 Y-260 Z130 F3442
40.0 N670 X572 Y-97 Z57 F6863
40.0 N671 X574 Y-46 Z48 F6922
40.0 N672 X573 Y28 Z36 F6961
40.0 N673 X565 Y101 Z33 F6964
40.0 N674 X556 Y150 Z13 F6944
40.0 N675 X547 Y188 Z4 F6919
40.0 N676 X538 Y214 Z-2 F6909
40.0 N677 X1056 Y457 Z-17 F3476
40.0 N678 X522 Y217 Z-11 F7068
40.0 N679 X523 Y190 Z-11 F7191
40.0 N680 X523 Y151 Z-7 F7340
40.0 N681 X526 Y94 Z-3 F7496
40.0 N682 X520 Y31 Z3 F7678
40.0 N683 X523 Y-24 Z9 F7626
40.0 N684 X527 Y-63 Z11 F7540

40.0 N685 X530 Y-91 Z12 F7440
40.0 N686 X1077 Y-207 Z19 F3647
40.0 N687 X550 Y-94 Z3 F7164
40.0 N688 X560 Y-73 Z-3 F7083
40.0 N689 X570 Y-39 Z-12 F6997
40.0 N690 X580 Y4 Z-23 F6895
40.0 N691 X570 Y61 Z-33 F6959
40.0 N692 X563 Y112 Z-44 F6954
40.0 N693 X554 Y149 Z-51 F6941
40.0 N694 X1088 Y354 Z-120 F3477
40.0 N695 X538 Y176 Z-65 F7023
40.0 N696 X537 Y156 Z-65 F7105
40.0 N697 X538 Y120 Z-65 F7201
40.0 N698 X541 Y70 Z-62 F7287
40.0 N699 X543 Y2 Z-58 F7326
40.0 N700 X550 Y-78 Z-52 F7163
40.0 N701 X541 Y-148 Z-46 F7106
40.0 N702 X533 Y-200 Z-42 F7011
40.0 N703 X528 Y-232 Z-41 F6919
40.0 N704 X1055 Y-497 Z-88 F3420
40.0 N705 X534 Y-232 Z-51 F6842
40.0 N706 X542 Y-201 Z-59 F6891
40.0 N707 X549 Y-153 Z-68 F6960
40.0 N708 X558 Y-90 Z-79 F7018
40.0 N709 X596 Y-3 Z-106 F6611
40.0 N710 X581 Y82 Z-111 F6699

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECIN	IN-CRD	OT-CRD
40.0	N711 X564 Y142 Z-118 F6745								
40.0	N712 X1072 Y378 Z-246 F3439								
40.0	N713 X513 Y190 Z-121 F7145								
40.0	N714 X502 Y159 Z-117 F7408								
40.0	N715 X500 Y104 Z-112 F7653								
40.0	N716 X507 Y20 Z-103 F7723								
40.0	N717 X522 Y-95 Z-93 F7427								
40.0	N718 X512 Y-200 Z-79 F7206								
40.0	N719 X504 Y-270 Z-72 F6937								
40.0	N720 X494 Y-332 Z-66 F6685								
40.0	N721 X483 Y-385 Z-62 F6442								
40.0	N722 X482 Y-428 Z-64 F6176								
40.0	N723 X501 Y-466 Z-78 F5809								
40.0	N724 X560 Y-493 Z-128 F5155								
40.0	N725 X838 Y-545 Z-294 F3839	18.0100	8.8842	-12.0211	-0.000	180.000	PT-LIN 360	000538	0
		0.0000							
40.0	N726 Z1000 F4000	18.0938	8.8097	-12.0505	-0.000	180.000	PT-LIN 361	000538	0
		0.0000							
40.0	N727 X390 Y-543 Z-118 F5891	18.0938	8.8097	-11.9505	-0.000	180.000	PT-LIN 363	000538	0
		0.0000							
12.0	N728 Z-1000 F1200	18.1328	8.7554	-11.9623	-0.000	180.000	PT-LIN 364	000538	0
		0.0000							
40.0	N729 X-1064 Y552 Z448 F3126	18.1328	8.7554	-12.0623	-0.000	180.000	PT-LIN 366	000538	0
40.0	N730 X-676 Y493 Z172 F4668								
40.0	N731 X-556 Y455 Z99 F551								
40.0	N732 X-522 Y414 Z76 F5966								
40.0	N733 X-516 Y365 Z70 F6293								
40.0	N734 X-519 Y305 Z71 F6594								
40.0	N735 X-524 Y235 Z76 F6911								
40.0	N736 X-522 Y155 Z82 F7255								
40.0	N737 X-524 Y39 Z93 F7499								
40.0	N738 X-495 Y-85 Z102 F7808								
40.0	N739 X-483 Y-172 Z108 F7636								
40.0	N740 X-484 Y-231 Z115 F7290								
40.0	N741 X-1012 Y-524 Z240 F3434								
40.0	N742 X-536 Y-242 Z121 F6664								
40.0	N743 X-557 Y-195 Z118 F6650								
40.0	N744 X-577 Y-121 Z110 F6666								
40.0	N745 X-596 Y-20 Z99 F6619								
40.0	N746 X-550 Y90 Z78 F7106								
40.0	N747 X-541 Y177 Z65 F6988								
40.0	N748 X-530 Y242 Z56 F6830								
40.0	N749 X-521 Y288 Z47 F6698								
40.0	N750 X-1031 Y627 Z80 F3307								
40.0	N751 X-522 Y297 Z38 F6648								
40.0	N752 X-536 Y255 Z41 F6726								
40.0	N753 X-555 Y188 Z46 F6803								
40.0	N754 X-576 Y96 Z54 F6824								

40.0 N785 X-566 Y-7 260 F7031

FEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N756 X-556 Y-91 Z65 F7042									
40.0	N757 X-547 Y-155 Z67 F6988									
40.0	N758 X-539 Y-200 Z67 F6917									
40.0	N759 X-1068 Y-452 Z129 F3427									
40.0	N760 X-538 Y-215 Z59 F6871									
40.0	N761 X-544 Y-184 Z52 F6933									
40.0	N762 X-553 Y-135 Z44 F7013									
40.0	N763 X-560 Y-67 Z33 F7075									
40.0	N764 X-568 Y8 Z22 F7035									
40.0	N765 X-560 Y67 Z11 F7098									
40.0	N766 X-550 Y111 Z3 F7126									
40.0	N767 X-542 Y140 Z-4 F7146									
40.0	N768 X-1068 Y310 Z-22 F3596									
40.0	N769 X-533 Y137 Z-14 F7266									
40.0	N770 X-537 Y102 Z-12 F7316									
40.0	N771 X-542 Y50 Z-10 F7341									
40.0	N772 X-547 Y-23 Z-4 F7310									
40.0	N773 X-551 Y-107 Z3 F7121									
40.0	N774 X-542 Y-182 Z9 F7003									
40.0	N775 X-532 Y-235 Z11 F6877									
40.0	N776 X-525 Y-270 Z13 F6774									
40.0	N777 X-1047 Y-570 Z21 F3354									
40.0	N778 X-530 Y-261 Z4 F6742									
40.0	N779 X-537 Y-233 Z-3 F6828									
40.0	N780 X-546 Y-186 Z-11 F6943									
40.0	N781 X-553 Y-121 Z-22 F7054									
40.0	N782 X-571 Y-35 Z-36 F6983									
40.0	N783 X-572 Y47 Z-49 F6940									
40.0	N784 X-571 Y106 Z-58 F6862									
40.0	N785 X-1121 Y290 Z-131 F3432									
40.0	N786 X-544 Y137 Z-67 F7070									
40.0	N787 X-531 Y98 Z-65 F7357									
40.0	N788 X-514 Y37 Z-59 F7715									
39.1	N789 X-494 Y-51 Z-50 F7826									
39.0	N790 X-471 Y-161 Z-39 F7826									
40.0	N791 X-467 Y-296 Z-28 F7219									
40.0	N792 X-431 Y-416 Z-17 F6677									
40.0	N793 X-403 Y-505 Z-9 F6191									
40.0	N794 X-379 Y-564 Z-5 F5987									
40.0	N795 X-354 Y-592 Z-4 F5796									
40.0	N796 X-603 Y-1143 Z-5 F3095									
40.0	N797 X-224 Y-483 Z2 F7442									
36.4	N798 X-163 Y-392 Z4 F8571									
22.5	N799 X-112 Y-265 Z3 F7826									
25.5	N800 X-267 Y-184 Z-37 F7826									
25.0	N801 X-271 Y-162 Z-42 F7826									
24.7	N802 X-278 Y-142 Z-49 F7826									
25.7	N803 X-286 Y-119 Z-54 F8182									
25.7	N804 X-292 Y-98 Z-59 F8182									

15.7044 9.0367 -11.7332 -0.000 180.000 PT-LIN 368 000538 0
 0.0000

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
25.6	N805 X-297 Y-77 Z-64 F8182								
25.6	N806 X-300 Y-54 Z-68 F8182								
25.5	N807 X-302 Y-32 Z-72 F8182								
28.6	N808 X-300 Y-10 Z-78 F8571	13.8404	8.3390	-11.8481	-0.000	180.000	PT-LIN	369 000538	0
		0.0000							
39.7	N809 X-299 Y12 Z-79 F12857	13.8105	8.3402	-11.8560	-0.000	180.000	PT-LIN	370 000538	0
		0.0000							
40.0	N810 Z1000 F4000	13.8105	8.3402	-11.7560	-0.000	180.000	PT-LIN	372 000538	0
		0.0000							
40.0	N811 X-2 Y-1090 Z113 F3649	13.8103	8.2312	-11.7447	-0.000	180.000	PT-LIN	373 000538	0
		0.0000							
12.0	N812 Z-1000 F1200	13.8103	8.2312	-11.8447	-0.000	180.000	PT-LIN	375 000538	0
		0.0000							
31.0	N813 X299 Y-15 Z79 F10000								
29.5	N814 X302 Y6 Z76 F9474								
29.6	N815 X302 Y25 Z74 F9474								
29.6	N816 X302 Y46 Z69 F9474								
29.6	N817 X298 Y67 Z65 F9474								
28.1	N818 X293 Y89 Z60 F9000								
28.2	N819 X287 Y111 Z55 F9000								
28.3	N820 X281 Y134 Z49 F9000								
28.7	N821 X274 Y157 Z44 F9000								
31.0	N822 X269 Y180 Z38 F9474								
26.6	N823 X134 Y264 F9000								
40.0	N824 X180 Y389 Z-1 F9313								
40.0	N825 X235 Y486 F7411								
40.0	N826 X605 Y1137 Z2 F3108								
40.0	N827 X347 Y588 Z1 F5859								
40.0	N828 X368 Y559 Z1 F5970								
40.0	N829 X390 Y501 Z6 F6298								
40.0	N830 X419 Y411 Z15 F6814								
40.0	N831 X456 Y290 Z27 F7387								
40.0	N832 X472 Y155 Z39 F8040								
40.0	N833 X494 Y40 Z50 F8022								
40.0	N834 X514 Y-48 Z59 F7699								
40.0	N835 X531 Y-111 Z65 F7332								
40.0	N836 X543 Y-148 Z67 F7048								
40.0	N837 X554 Y-160 Z67 F6890								
40.0	N838 X561 Y-147 Z64 F6856								
40.0	N839 X565 Y-108 Z58 F6922								
40.0	N840 X565 Y-44 Z48 F7039								
40.0	N841 X560 Y45 Z35 F7106								
40.0	N842 X534 Y144 Z21 F7220								
40.0	N843 X530 Y222 Z11 F6965								
40.0	N844 X525 Y280 Z1 F6724								
40.0	N845 X521 Y320 Z-5 F6542								
40.0	N846 X1045 Y678 Z-23 F3210								
40.0	N847 X533 Y317 Z-13 F6446								
40.0	N848 X547 Y274 Z-12 F6538								

40.0 NB49 X564 Y207 Z-8 F6655

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	OT-CRD
40.0	N850 X581 Y119 Z-2 F6749								
40.0	N851 X576 Y16 Z4 F6943								
40.0	N852 X564 Y-70 Z10 F7038	15.6023	8.9718	-11.7251	-0.000	180.000	PT-LIN 377	000538	0
		0.0000							
40.0	N853 X550 Y-135 Z12 F7058								
40.0	N854 X539 Y-178 Z14 F7046								
40.0	N855 X1062 Y-401 Z22 F3524								
40.0	N856 X531 Y-184 Z5 F7106								
40.0	N857 X537 Y-148 Z-2 F7180								
40.0	N858 X544 Y-94 Z-11 F7247								
40.0	N859 X551 Y-19 Z-21 F7256								
40.0	N860 X542 Y72 Z-33 F7302								
40.0	N861 X537 Y152 Z-43 F7150								
40.0	N862 X530 Y212 Z-51 F6969								
40.0	N863 X528 Y250 Z-58 F6818								
40.0	N864 X1062 Y527 Z-128 F3354								
40.0	N865 X545 Y232 Z-68 F6711								
40.0	N866 X560 Y181 Z-68 F6753								
40.0	N867 X577 Y106 Z-66 F6778								
40.0	N868 X592 Y10 Z-63 F6717								
40.0	N869 X607 Y-112 Z-57 F6452								
40.0	N870 X576 Y-223 Z-49 F6455								
40.0	N871 X546 Y-305 Z-41 F6387								
40.0	N872 X522 Y-356 Z-37 F6322								
40.0	N873 X1009 Y-752 Z-75 F3172								
40.0	N874 X504 Y-342 Z-44 F6545								
40.0	N875 X513 Y-284 Z-52 F6797								
40.0	N876 X524 Y-200 Z-62 F7091								
40.0	N877 X535 Y-89 Z-75 F7308								
40.0	N878 X590 Y46 Z-98 F6689								
40.0	N879 X569 Y167 Z-110 F6635								
40.0	N880 X546 Y255 Z-116 F6516								
40.0	N881 X522 Y314 Z-121 F6441								
40.0	N882 X982 Y681 Z-239 F3282								
40.0	N883 X470 Y307 Z-113 F6979								
40.0	N884 X471 Y242 Z-107 F7397								
40.0	N885 X489 Y144 Z-100 F7703								
40.0	N886 X525 Y7 Z-92 F7506								
40.0	N887 X527 Y-122 Z-79 F7316								
40.0	N888 X531 Y-209 Z-74 F6961								
40.0	N889 X528 Y-204 Z-70 F6619								
40.0	N890 X528 Y-349 Z-69 F6289								
40.0	N891 X538 Y-400 Z-76 F5927								
40.0	N892 X583 Y-442 Z-104 F5409	17.9545	8.7995	-11.9870	-0.000	180.000	PT-LIN 378	000538	0
		0.0000							
40.0	N893 X735 Y-481 Z-194 F4449								
40.0	N894 X1272 Y-552 Z-581 F2661	18.1552	8.6962	-12.0645	-0.000	180.000	PT-LIN 379	000538	0
		0.0000							
40.0	N895 Z1000 F4000	18.1552	8.6962	-11.9645	-0.000	180.000	PT-LIN 381	000538	0
		0.0000							

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECH	IN-CRD	DT-CRD
40.0	N896 X-106 Y-625 Z197 F6022	18.1446	8.6337	-11.9448	-0.000	180.000	PT-LIN 382	000538	0
		0.0000							
12.0	N897 Z-1000 F1200	18.1446	8.6337	-12.0448	-0.000	180.000	PT-LIN 384	000538	0
		0.0000							
40.0	N898 X-1332 Y541 Z578 F2581								
40.0	N899 X-727 Y465 Z174 F4543								
40.0	N900 X-570 Y428 Z91 F5566								
40.0	N901 X-525 Y387 Z67 F6101								
40.0	N902 X-516 Y336 Z60 F6470								
40.0	N903 X-517 Y273 Z62 F6803								
40.0	N904 X-521 Y196 Z67 F7135								
40.0	N905 X-521 Y108 Z71 F7444								
40.0	N906 X-530 Y-27 Z88 F7433								
40.0	N907 X-497 Y-173 Z99 F7472								
40.0	N908 X-476 Y-284 Z106 F7092								
40.0	N909 X-468 Y-356 Z114 F6673								
40.0	N910 X-959 Y-790 Z236 F3161								
40.0	N911 X-506 Y-366 Z118 F6302								
40.0	N912 X-528 Y-293 Z115 F6476								
40.0	N913 X-550 Y-201 Z107 F6715								
40.0	N914 X-572 Y-66 Z95 F6862								
40.0	N915 X-510 Y84 Z71 F7664								
40.0	N916 X-500 Y208 Z59 F7343								
40.0	N917 X-491 Y303 Z50 F6902								
40.0	N918 X-489 Y368 Z42 F6528								
40.0	N919 X-1001 Y808 Z76 F3103								
40.0	N920 X-532 Y380 Z40 F6111								
40.0	N921 X-562 Y324 Z46 F6150								
40.0	N922 X-598 Y236 Z53 F6204								
40.0	N923 X-632 Y118 Z61 F6187								
40.0	N924 X-613 Y-8 Z65 F6493								
40.0	N925 X-594 Y-109 Z66 F6583								
40.0	N926 X-574 Y-187 Z67 F6586								
40.0	N927 X-556 Y-240 Z67 F6572								
40.0	N928 X-1066 Y-549 Z124 F3316								
40.0	N929 X-521 Y-262 Z56 F6835								
40.0	N930 X-517 Y-222 Z49 F7077								
40.0	N931 X-518 Y-159 Z41 F7368								
40.0	N932 X-518 Y-72 Z31 F7628								
40.0	N933 X-528 Y26 Z21 F7558								
40.0	N934 X-526 Y108 Z10 F7451								
40.0	N935 X-524 Y168 Z3 F7271								
40.0	N936 X-524 Y207 Z-4 F7099								
40.0	N937 X-1064 Y445 Z-19 F3468								
40.0	N938 X-548 Y195 Z-12 F6872								
40.0	N939 X-564 Y147 Z-11 F6860								
40.0	N940 X-582 Y77 Z-8 F6820								
40.0	N941 X-597 Y-14 Z-4 F6696								
40.0	N942 X-602 Y-122 Z1 F6507								
15.7173		8.8484	-11.7122	-0.000	180.000	PT-LIN 386	000538		0
0.0000									

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON	CLREC	IN-CRD	OT-CRD
40.0	N943 X-585 Y-216 Z-6 F6421									
40.0	N944 X-565 Y-287 Z10 F6308									
40.0	N945 X-548 Y-336 Z11 F6224									
40.0	N946 X-1056 Y-729 Z19 F3119									
40.0	N947 X-516 Y-347 Z5 F6433									
40.0	N948 X-513 Y-306 Z-2 F6701									
40.0	N949 X-511 Y-243 Z-10 F7067									
40.0	N950 X-510 Y-158 Z-19 F7485									
40.0	N951 X-541 Y-55 Z-35 F7334									
40.0	N952 X-551 Y35 Z-46 F7217									
40.0	N953 X-556 Y100 Z-58 F7047									
40.0	N954 X-556 Y139 Z-63 F6933									
40.0	N955 X-1098 Y298 Z-132 F3493									
40.0	N956 X-534 Y188 Z-64 F7291									
40.0	N957 X-520 Y46 Z-59 F7615									
39.6	N958 X-503 Y-39 Z-51 F7826									
39.7	N959 X-482 Y-152 Z-40 F7826									
40.0	N960 X-464 Y-282 Z-28 F7352									
40.0	N961 X-425 Y-395 Z-16 F6887									
40.0	N962 X-391 Y-481 Z-8 F6449									
40.0	N963 X-364 Y-537 Z-3 F6169									
40.0	N964 X-337 Y-564 Z-1 F6091									
40.0	N965 X-580 Y-1089 F3240									
40.0	N966 X-229 Y-468 F7692									
34.3	N967 X-183 Y-377 F8182									
23.1	N968 X-143 Y-259 Z-3 F7826									
25.6	N969 X-271 Y-180 Z-38 F7826									
25.0	N970 X-275 Y-156 Z-44 F7826									
24.7	N971 X-282 Y-134 Z-49 F7826									
25.7	N972 X-288 Y-110 Z-55 F8182									
25.6	N973 X-295 Y-89 Z-60 F8182									
25.6	N974 X-299 Y-67 Z-65 F8182									
25.6	N975 X-302 Y-47 Z-70 F8182									
26.8	N976 X-303 Y-25 Z-73 F8571									
26.8	N977 X-302 Y-6 Z-76 F8571									
40.0	N978 X-301 Y15 Z-80 F12857	13.8402	8.1359	-11.8271	-0.000	180.000	PT-LIN	387	000538	0
		0.0000								
40.0	N979 Z1000 F4000	13.8101	8.1374	-11.3351	-0.000	180.000	PT-LIN	388	000538	0
		0.0000								
40.0	N980 Y-857 Z68 F6055	13.8101	8.1374	-11.7351	-0.000	180.000	PT-LIN	390	000538	0
		0.0000								
12.0	N981 Z-1000 F1200	13.8101	8.0717	-11.7283	-0.000	180.000	PT-LIN	391	000538	0
		0.0000								
29.5	N982 X301 Y-12 Z79 F9474	13.8101	8.0717	-11.8283	-0.000	180.000	PT-LIN	393	000538	0
29.6	N983 X302 Y15 Z76 F9474									
29.8	N984 X304 Y39 Z72 F9474									
29.9	N985 X302 Y62 Z67 F9474									
28.5	N986 X299 Y86 Z63 F9000									

28.6 N987 X294 Y107 Z59 F9000

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECH	IN-CRD	OT-CRD
28.7	N988 X287 Y128 Z53 F9000								
28.9	N989 X281 Y147 Z47 F9000								
29.1	N990 X274 Y166 Z42 F9000								
29.5	N991 X268 Y184 Z37 F9000								
25.3	N992 X119 Y255 Z-1 F9000								
40.0	N993 X135 Y364 Z-9 F10292								
40.0	N994 X173 Y444 Z-9 F8402								
40.0	N995 X514 Y1015 Z-2 F3516								
40.0	N996 X339 Y520 Z9 F6435								
40.0	N997 X386 Y496 Z14 F6366								
40.0	N998 X426 Y447 Z19 F6473								
40.0	N999 X466 Y373 Z26 F6693								
40.0	N000 X509 Y274 Z36 F6910								
40.0	N001 X513 Y159 Z43 F7428								
40.0	N002 X526 Y59 Z51 F7522								
40.0	N003 X539 Y-17 Z58 F7376								
40.0	N004 X549 Y-72 Z62 F7176								
40.0	N005 X112 Y-215 Z124 F3511								
40.0	N006 X550 Y-99 Z58 F7115								
40.0	N007 X538 Y-66 Z51 F7355								
40.0	N008 X518 Y-11 Z42 F7694								
40.0	N009 X494 Y63 Z30 F8016								
40.0	N010 X468 Y145 Z19 F8155								
40.0	N011 X490 Y213 Z12 F7482								
40.0	N012 X512 Y264 Z8 F6947								
40.0	N013 X530 Y399 Z4 F6572								
40.0	N014 X1107 Y627 Z-2 F3144								
40.0	N015 X573 Y292 Z-3 F6228								
40.0	N016 X583 Y251 Z-3 F6293								
40.0	N017 X595 Y192 Z-2 F6393								
40.0	N018 X607 Y113 F6483								
40.0	N019 X601 Y20 Z3 F6648								
40.0	N020 X588 Y-60 Z6 F6772								
40.0	N021 X574 Y-123 Z6 F6811								
40.0	N022 X562 Y-164 Z6 F6834								
40.0	N023 X1086 Y-380 Z8 F3478								
40.0	N024 X525 Y-176 Z-1 F7218								
40.0	N025 X514 Y-144 Z-6 F7500								
40.0	N026 X504 Y-90 Z-12 F7818								
40.0	N027 X495 Y-20 Z-21 F8069								
40.0	N028 X484 Y65 Z-29 F8165								
40.0	N029 X496 Y136 Z-37 F7760								
40.0	N030 X509 Y198 Z-45 F7335								
40.0	N031 X525 Y233 Z-50 F6991								
40.0	N032 X1095 Y467 Z-114 F3344								
40.0	N033 X570 Y204 Z-63 F6568								
40.0	N034 X586 Y157 Z-64 F6560								
40.0	N035 X601 Y90 Z-64 F6541								
40.0	N036 X618 Y3 Z-64 F6437								

15.6647 8.7861 -11.7038 -0.000 180.000 PT-LIN 398 000538 6
0.0000

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECH	IN-CRD	D-CRD
40.0	N037 X641 Y-107 Z-64 F6130								
40.0	N038 X613 Y-205 Z-60 F6151								
40.0	N039 X587 Y-278 Z-56 F6138								
40.0	N040 X563 Y-322 Z-54 F6148								
40.0	N041 X053 Y-675 Z-103 F3185								
40.0	N042 X493 Y-301 Z-51 F6908								
40.0	N043 X469 Y-243 Z-53 F7522								
40.0	N044 X-51 Y-105 Z-56 F8284								
40.0	N045 X440 Y-67 Z-62 F8905								
40.0	N046 X490 Y63 Z-81 F7981								
40.0	N047 X491 Y192 Z-96 F7469								
40.0	N048 X491 Y285 Z-106 F6929								
40.0	N049 X491 Y345 Z-112 F8550								
40.0	N050 X995 Y731 Z-229 F3185								
40.0	N051 X508 Y320 Z-111 F6554								
40.0	N052 X517 Y246 Z-104 F6875								
40.0	N053 X528 Y137 Z-95 F7221								
40.0	N054 X540 Y-4 Z-82 F7320								
40.0	N055 X497 Y-127 Z-64 F7750								
40.0	N056 X488 Y-204 Z-56 F7518								
40.0	N057 X481 Y-371 Z-50 F7215								
40.0	N058 X478 Y-326 Z-47 F6893								
40.0	N059 X484 Y-372 Z-49 F6533								
40.0	N060 X519 Y-410 Z-65 F6018								
40.0	N061 X647 Y-446 Z-125 F5024	17.9772	8.6218	-11.9624	-0.000	180.000	PT-LIN 386	000538	0
		0.0000							
40.0	N062 X1170 Y-514 Z-414 F2978	18.0942	8.5704	-12.0038	-0.000	180.000	PT-LIN 397	000538	0
		0.0000							
40.0	N063 Z1000 F4000	18.0942	8.5704	-11.9038	-0.000	180.000	PT-LIN 399	000538	0
		0.0000							
40.0	N064 X-4283 Y2189 Z859 F819	17.6659	8.7893	-11.8179	-0.000	180.000	PT-LIN 403	000550	0
		0.0000							
12.0	N065 Z-1000 F1200	17.6659	8.7893	-11.9179	-0.000	180.000	PT-LIN 405	000550	0
		0.0000							
40.0	N066 X-481 Y132 Z61 F7989								
40.0	N067 X-535 Y14 Z80 F7386								
40.0	N068 X-530 Y-118 Z92 F7264								
40.0	N069 X-527 Y-216 Z101 F6919								
40.0	N070 X-524 Y-282 Z105 F6612								
40.0	N071 X-1032 Y-643 Z222 F3236								
40.0	N072 X-500 Y-302 Z107 F6734								
40.0	N073 X-485 Y-250 Z100 F7214								
40.0	N074 X-467 Y-172 Z90 F7910								
40.0	N075 X-453 Y-64 Z76 F8628								
40.0	N076 X-418 Y46 Z61 F8571								
36.4	N077 X-439 Y128 Z58 F8571								
39.5	N078 X-466 Y197 Z59 F7815								
40.0	N079 X-499 Y249 Z58 F7134								
40.0	N080 X-1074 Y577 Z117 F3268								

40.0 N081 X-570 Y380 Z59 F6269

FEEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N082 X-591 Y243 Z60 F6230								
40.0	N083 X-613 Y181 Z62 F6225								
40.0	N084 X-638 Y94 Z65 F6176								
40.0	N085 X-613 Y-3 Z64 F6487								
40.0	N086 X-598 Y-81 Z63 F6599								
40.0	N087 X-583 Y-141 Z62 F6027								
40.0	N088 X-571 Y-181 Z61 F6642								
40.0	N089 X-1103 Y-412 Z109 F3383								
40.0	N090 X-530 Y-194 Z48 F7069								
40.0	N091 X-512 Y-164 Z42 F7413								
40.0	N092 X-495 Y-119 Z35 F7841								
40.0	N093 X-480 Y-58 Z28 F8253								
40.0	N094 X-489 Y14 Z20 F8167								
40.0	N095 X-501 Y75 Z14 F7897								
40.0	N096 X-515 Y121 Z9 F7567								
40.0	N097 X-528 Y152 Z4 F7279								
40.0	N098 X-1093 Y320 Z-3 F3504								
40.0	N099 X-563 Y143 Z-4 F6886								
40.0	N100 X-573 Y106 Z-5 F6861								
40.0	N101 X-584 Y52 Z-4 F6818								
40.0	N102 X-598 Y-21 Z-3 F6694								
40.0	N103 X-603 Y-104 Z-1 F6535								
40.0	N104 X-594 Y-173 F6462								
40.0	N105 X-586 Y-226 Z1 F6371								
40.0	N106 X-577 Y-261 F6318								
40.0	N107 X-1121 Y-556 Z-8 F3197								
40.0	N108 X-538 Y-261 Z-8 F6689								
40.0	N109 X-516 Y-231 Z-12 F7074								
40.0	N110 X-490 Y-186 Z-16 F7629								
39.2	N111 X-461 Y-130 Z-20 F8182								
40.0	N112 X-484 Y-64 Z-29 F8183								
40.0	N113 X-512 Y-7 Z-39 F7791								
40.0	N114 X-536 Y36 Z-48 F7407								
40.0	N115 X-553 Y66 Z-54 F7147								
40.0	N116 X-1119 Y152 Z-120 F3522								
40.0	N117 X-551 Y47 Z-59 F7192								
40.0	N118 X-539 Y1 Z-57 F7386								
40.0	N119 X-525 Y-66 Z-50 F7526								
40.0	N120 X-513 Y-156 Z-44 F7435								
40.0	N121 Z1000 F4000								
40.0	N122 X-7 Y-341 Z41 F11844								
12.0	N123 Z-1000 F1200								
40.0	N124 X503 Y149 Z43 F7596								
40.0	N125 X517 Y73 Z49 F7628								
15.3103		8.7102	-11.7003	-0.000	180.000	PT-LIN	407	000550	0
0.0000									
14.4068		8.5486	-11.7567	-0.000	180.000	PT-LIN	408	000550	0
0.0000									
14.4068		8.5486	-11.6567	-0.000	180.000	PT-LIN	410	000550	0
0.0000									
14.4061		8.5145	-11.6526	-0.000	180.000	PT-LIN	411	000550	0
0.0000									
14.4061		8.5145	-11.7526	-0.000	180.000	PT-LIN	413	000550	0
0.0000									

40.0 M126 X535 Y15 255 F7444

FEEDRATE CONTROL TAPE X Y Z A B REASON CLRECN IN-CRD OT-CRD

40.0	N127 X550 Y-22 Z58 F7224
40.0	N128 X1126 Y-87 Z114 F3523
40.0	N129 X558 Y-31 Z51 F7123
40.0	N130 X541 Y-6 Z45 F7376
40.0	N131 X512 Y26 Z37 F7772
40.0	N132 X482 Y65 Z29 F8208
40.0	N133 X460 Y113 Z22 F8451
40.0	N134 X492 Y58 Z13 F7729
40.0	N135 X522 Y196 Z16 F7173
40.0	N136 X544 Y224 Z13 F6791
40.0	N137 X1133 Y482 Z15 F3249
40.0	N138 X580 Y228 Z3 F6419
40.0	N139 X586 Y199 Z2 F6464
40.0	N140 X591 Y155 F6544
40.0	N141 X598 Y93 Z2 F6611
40.0	N142 X590 Y22 Z3 F6775
40.0	N143 X579 Y-42 Z3 F6891
40.0	N144 X570 Y-90 Z4 F6930
40.0	N145 X563 Y-121 Z3 F6952
40.0	N146 X1098 Y-274 Z-3 F3533
40.0	N147 X532 Y-125 Z-6 F7325
40.0	N148 X516 Y-98 Z-11 F7605
40.0	N149 X501 Y-58 Z-16 F7930
40.0	N150 X487 Y-6 Z-21 F8203
40.0	N151 X480 Y51 Z-27 F8272
40.0	N152 X497 Y100 Z-34 F7872
40.0	N153 X517 Y139 Z-39 F7460
40.0	N154 X534 Y165 Z-46 F7130
40.0	N155 X1109 Y354 Z-105 F3422
40.0	N156 X570 Y158 Z-59 F6729
40.0	N157 X579 Y124 Z-60 F6714
40.0	N158 X591 Y73 Z-63 F6686
40.0	N159 X505 Y5 Z-63 F6577
40.0	N160 X632 Y-80 Z-65 F6245
40.0	N161 X612 Y-156 Z-63 F6306
40.0	N162 X593 Y-208 Z-63 F6329
40.0	N163 X576 Y-239 Z-63 F6385
40.0	N164 X1091 Y-478 Z-130 F3338
40.0	N165 X505 Y-199 Z-66 F7312
40.0	N166 X470 Y-151 Z-64 F8044
38.1	N167 X431 Y-91 Z-61 F8571
36.5	N168 X400 Y-24 Z-61 F9000
37.1	N169 X422 Y66 Z-73 F8571
40.0	N170 X450 Y150 Z-85 F8289
40.0	N171 X485 Y213 Z-95 F7435
40.0	N172 X514 Y255 Z-102 F6862
40.0	N173 X1070 Y551 Z-214 F3272
40.0	N174 X537 Y245 Z-104 F6674
40.0	N175 X533 Y186 Z-99 F6991

15.8222 9.6867 -11.7747 -0.000 180.000 PT-LIN 415 000550 0
0.0000

FEEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLREC	IN-CRD	OT-CRD
40.0	N176 X527 Y96 Z-89 F7363								
40.0	N177 X524 Y-23 Z-78 F7533								
40.0	N178 X465 Y-136 Z-57 F8212	17.6646	8.7527	-11.9125	-0.000	180.000	PT-LIN	418	000550
		0.0000							0
40.0	N179 Z1000 F4000	17.6646	8.7527	-11.8125	-0.000	180.000	PT-LIN	418	000550
		0.0000							0
40.0	N180 X-11 Y-375 Z54 F10548	17.6635	8.7152	-11.8071	-0.000	180.000	PT-LIN	419	000550
		0.0000							0
12.0	N181 Z-1000 F1200	17.6635	8.7152	-11.9071	-0.000	180.000	PT-LIN	421	000550
		0.0000							0
40.0	N182 X-448 Y136 Z54 F8489								
40.0	N183 X-508 Y33 Z75 F7765								
40.0	N184 X-520 Y-76 Z86 F7514								
40.0	N185 X-534 Y-155 Z96 F7088								
40.0	N186 X-548 Y-206 Z102 F6740								
40.0	N187 X-1106 Y-457 Z206 F3294								
40.0	N188 X-530 Y-207 Z97 F6922								
40.0	N189 X-492 Y-172 Z90 F7562								
40.0	N190 X-442 Y-128 Z80 F8560								
38.9	N191 X-400 Y-67 Z70 F9474								
35.2	N192 X-386 Y1 Z63 F9000								
37.3	N193 X-427 Y54 Z66 F8571								
40.0	N194 X-472 Y105 Z70 F8187								
40.0	N195 X-512 Y148 Z73 F7431								
40.0	N196 X-1106 Y381 Z141 F3395								
40.0	N197 X-580 Y196 Z67 F6498								
40.0	N198 X-593 Y174 Z65 F6436								
40.0	N199 X-607 Y130 Z64 F6406								
40.0	N200 X-624 Y65 Z65 F6341								
40.0	N201 X-593 Y-7 Z61 F6707								
40.0	N202 X-582 Y-64 Z61 F6800								
40.0	N203 X-573 Y-107 Z59 F6820								
40.0	N204 X-568 Y-135 Z57 F6826								
40.0	N205 X-1113 Y-295 Z102 F3460								
40.0	N206 X-539 Y-136 Z44 F7174								
40.0	N207 X-522 Y-113 Z37 F7473								
40.0	N208 X-502 Y-81 Z32 F7851								
40.0	N209 X-483 Y-44 Z27 F8221								
40.0	N210 X-489 Y2 Z22 F8173								
40.0	N211 X-504 Y41 Z17 F7912								
40.0	N212 X-520 Y73 Z14 F7610								
40.0	N213 X-536 Y96 Z9 F7354								
40.0	N214 X-1101 Y219 Z5 F3562								
40.0	N215 X-561 Y97 Z-1 F7030								
40.0	N216 X-565 Y71 Z-3 F7018								
40.0	N217 X-572 Y32 Z-3 F6900								
40.0	N218 X-580 Y-22 Z-2 F6892								
40.0	N219 X-589 Y-83 Z-2 F6716								
40.0	N220 X-587 Y-134 Z-2 F6650								
40.0	N221 X-583 Y-172 Z-3 F6573								

FEEDRATE	CONTROL TAPE	X	Y	Z	A	B	REASON CLRECN	IN-CRD	DT-CRD
40.0	N222 X-581 Y-195 Z-5 F6528	15.3139	8.6348	-11.6909	-0.000	180.000	PT-LIN 423	000550	0
40.0	N223 X-576 Y-205 Z-9 F6517	0.0000							
40.0	N224 X-1118 Y-386 Z-30 F3380								
40.0	N225 X-529 Y-160 Z-21 F7236								
40.0	N226 X-497 Y-129 Z-23 F7772								
38.6	N227 X-462 Y-96 Z-24 F8182								
40.0	N228 X-489 Y-65 Z-29 F8094								
40.0	N229 X-520 Y-46 Z-36 F7650								
40.0	N230 X-547 Y-24 Z-42 F7272								
40.0	N231 X-566 Y-4 Z-48 F7050								
40.0	N232 X-1133 Y20 Z-110 F3514								
40.0	N233 X-547 Y-2 Z-56 F7266								
40.0	N234 X-527 Y-33 Z-53 F7545								
40.0	N235 X-503 Y-78 Z-48 F7818								
40.0	N236 X-484 Y-140 Z-41 F7907								
40.0	N237 Z1000 F4000	14.4059	8.4804	-11.7484	-0.000	180.000	PT-LIN 424	000550	0
		0.0000							
150.0	N238 Y100000 F150	14.4059	8.4804	-11.6484	-0.000	180.000	PT-LIN 426	000550	0
	N239 G04 F3000	0.0000							
	N240 M09	14.4059	18.4804	-11.6484	-0.000	180.000	PT-LIN 430	000570	0
	N241 M05	0.0000							
150.0	N242 Z116484 F129								
	N243 G04 F3000								
288.2	N244 X-144059 Y-174804 B180000 F60	14.4059	18.4804	0.0000	-0.000	180.000	RETRACT 439	000820	0
	N245 G04 F3000	0.0000							
	N246 M30	0.0000	1.0000	0.0000	-0.000	0.000	G0HOME 441	000630	0
0	POSTPROCESSING ERRORS								
M30	MACHINING TIME	6.91							
				606.45					
0	POSTPROCESSING ERRORS								
END OF PART PROGRAM	MACHINING TIME	0.00							
				6.03					

```

668 SCOPE 3.4.4 PA 4.15 CDC 6600 8/23/79
15.07.29.651.:: SCOPE 3.4.4 PA 4.15 CDC 6500 8/20/79
15.13.07.APT007Z FROM 651
15.13.07.1P 0000192 WORDS - FILE INPUT , DC 00, ID= **
15.13.07.APT,CM130000,7200.
15.13.07. 000100
15.13.09.(JD4-100,024265),OCONNOR 000110
15.13.09.
15.13.11.ATTACH,BB,FMMDI,ID=DONOCON. 000130
15.13.11.
15.13.12.PF CYCLE NO. = 001
15.13.12.REWIND,BB. 000190
15.13.12.
15.13.12.COPYBF,BB,OUTPUT. 000200
15.13.12.
15.13.21.EOI ENCOUNTERED AFTER COPY OF FILE
15.13.21. 0, RECORD 1
15.13.22.ROUTE,OUTPUT,DEF,ST=66E,FC=XR. 000210
15.13.22.
15.13.22.OP 00064064 WORDS - FILE OUTPUT , DC 40, ID= ** APT007Z
15.13.23.MS 64512 WORDS ( 64512 MAX USED)
15.13.23.CPA .155 SEC. .388 ADJ.
15.13.23.10 8.289 SEC. 2.072 ADJ.
15.13.23.CM 66.162 KWS. 1.009 ADJ.
15.13.23.SS 3.469
15.13.23.EST. COST AT $180/HR. - $ .17
15.13.23.PP 12.162 SEC.
15.13.23.EJ END OF JOB, **

```

```

***** APT007Z 8353 LINES PRINTED END OF JOB *****
***** APT007Z 8353 LINES PRINTED END OF JOB *****

```


DISTRIBUTION LIST

Commanding Officer
U.S. Army Natick Development Center
ATTN: Robert S. Smith (5)
Natick, MA 01760

Commanding General
U.S. Army Armament Research and
Development Command
ATTN: DRDAR-TSF-FA (10)
DRDAR-TSS (5)
Dover, NJ 07801

Defense Technical Information Center (12)
Cameron Station
Alexandria, VA 22314

Weapon System Concept Team/CSL
ATTN: DRDAR-ACW
Aberdeen Proving Ground, MD 21010

Technical Library
ATTN: DRDAR-CLJ-L
Aberdeen Proving Ground, MD 21010

Technical Library
ATTN: DRDAR-TSB-S
Aberdeen Proving Ground, MD 21005

Benet Weapons Laboratory
Technical Library
ATTN: DRDAR-LCB-TL
Watervliet, NY 12189

Commander
U.S. Army Armament Materiel
Readiness Command
ATTN: DRSAR-LEP-L
Rock Island, IL 61299

Director
U.S. Army TRADOC Systems Analysis Activity
ATTN: ATAA-SL (Technical Library)
White Sands Missile Range, NM 88002

U.S. Army Materiel Systems Analysis Activity
ATTN: DRXSY-MP
Aberdeen Proving Ground, MD 21005